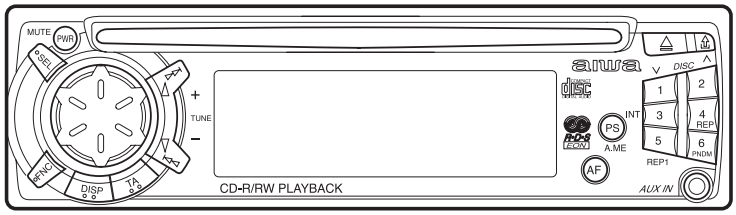
aiwa SERVICE

CDC-R217 YZ



SERVICE MANUAL

STEREO CAR CD RECEIVER BASIC CD MECHANISM : BZG-3 BNF

aiwa

S/M Code No. 09-01A-447-5R1

SPECIFICATIONS

RADIO SECTION

(FM)
Frequency Range: 87.5 MHz – 108 MHz (50-kHz steps)
Usable Sensitivity: 12.7 dBf
50 dB Quieting Sensitivity: 17.2 dBf
IF Rejection: 80 dB
Frequency Response: 30 Hz – 15,000 Hz
S/N Ratio: 63 dB
Stereo Separation: 35 dB at 1 kHz
Alternate Channel Selectivity: 70 dB
Capture Ratio: 3 dB

(MW)
Frequency Range: 531 kHz – 1,602 kHz (9-kHz steps)
Usable Sensitivity: 30 µV (30 dB)

(LW)
Frequency Range: 144 kHz – 288 kHz (1-kHz / 9-kHz steps)
Usable Sensitivity: 30 µV (30 dB)

CD SECTION

Frequency Response: 17 Hz – 20 kHz +0/–3 dB
Dynamic Range: More than 80 dB
Channel Separation: More than 65 dB
S/N Ratio: More than 85 dB
Wow/Flutter: Unmeasurable

AUDIO SECTION

Max. Power Output: 45 W x 4 channels

AUX IN input

Input Sensitivity (load impedance) AUX IN: 300 mV (10 kΩ)

GENERAL

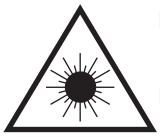
Power-Supply Voltage: 14.4 V (11 to 16 V allowable), DC, negative ground
Load Impedance: 4 Ω
Tone Control: Bass ± 10 dB at 100 Hz, Treble ± 10 dB at 10 kHz
Preamp Output Voltage (load impedance): 2.2 V (10 kΩ)
Installated Size: 182 (W) x 53 (H) x 155 (D) mm
($7^1/_4$ (W) x $2^1/_8$ (H) x $6^1/_8$ (D) inches)

• Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

ATTENTION
L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

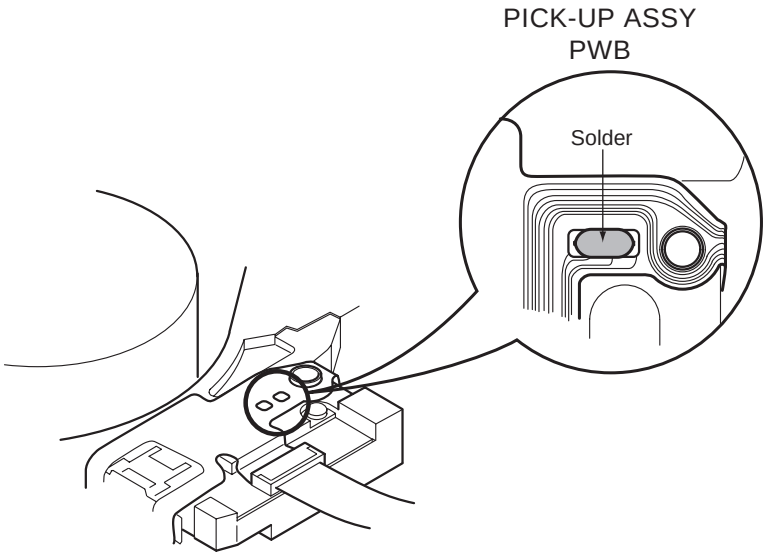
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block (OPTIMA-720JVC)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in right figure.

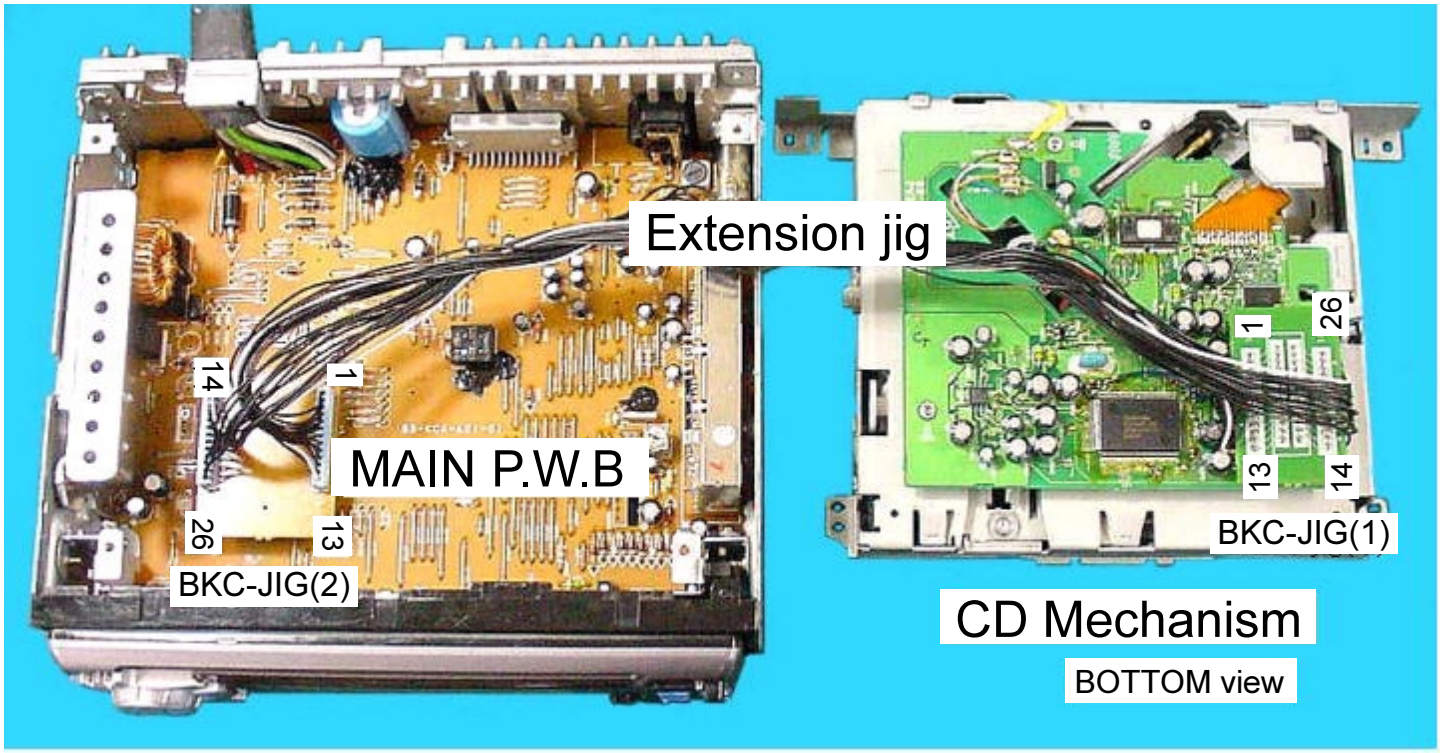


CAUTION WHEN SERVICING

Precautions to be taken during servicing

(1) Using extension jigs

Connect between MAIN P.W.B. and CD mechanism with an extension jig during function check of CD mechanism.



- Check the PIN number of circuit board (BKC-JIG 1 / 2) before installing a jig circuit board. (See the photo)

Parts name	BKC-JIG	**Parts number**	SV-J00-106-010

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	88-KT1-607-080		C-IC,SAA6579T
	88-KT1-606-080		IC,PST994D
	8Z-KT1-622-010		C-IC,LC75374E
	87-A21-562-010		IC,LA4743B
	88-KT1-608-010		C-IC,LC75854W
	87-A22-080-040		C-IC,LA6557H
	87-A22-081-040		C-IC,TA2153FN
	87-A22-079-030		C-IC,TC94A09F-300
	87-A21-419-040		C-IC,NJM14558MD-TE2
	87-A22-100-030		C-IC,UPD178018AGC-617-3B9
TRANSISTOR			
	87-A30-287-040		C-TR,DTC114TKA
	87-A30-289-040		C-TR,2SA1037AK(Q)
	89-324-122-040		C-TR,2SC2412KR
	87-A30-288-040		C-TR,DTC114YKA
	87-A30-290-010		TR,KTA1658(Y)
	87-A30-291-010		TR,KTC4369(Y)
	89-418-580-080		TR,2SD1858TV2
	87-A30-283-040		C-TR,DTA114YKA
	87-A30-282-040		C-TR,DTA114TKA
	87-A30-299-080		TR,2SB1326
DIODE			
	87-A40-250-040		C-DIODE,DAN217
	87-070-136-080		ZENER,MTZJ5.1B
	87-070-334-080		ZENER,MTZJ10B
	87-020-331-040		C-DIODE,DAN202K
	87-A40-523-080		ZENER,MTZJ9.1B
	87-017-932-080		ZENER,MTZJ6.2B
	87-020-330-040		C-DIODE,DAP202K
	87-A40-798-010		DIODE,1N5402 (3A/200V)
	87-020-465-080		DIODE,1SS133
	87-A40-337-080		ZENER,MTZJ 6.8B
	87-001-783-080		DIODE,1N4002
	87-A40-650-080		ZENER,MTZJ6.8A
	87-020-585-080		C-ZENER,02CZ6.2Y
MAIN C.B			
ANT101	8Z-KT1-614-010		ANT,AW-002
C101	87-012-274-080		C-CAP,U 1000P-50 K B
C102	87-012-286-080		C-CAP,U 0.01-25 K B
C103	87-012-274-080		C-CAP,U 1000P-50 K B
C104	87-012-282-080		C-CAP,U 4700P-50 K B
C105	87-010-490-040		CAP,E 0.1-50 M 5L MA
C107	87-010-553-040		CAP,E 47-16 M 5L SRE
C108	87-012-195-080		C-CAP,U 100P-50 J CH
C109	87-012-286-080		C-CAP,U 0.01-25 K B
C110	87-010-380-040		CAP,E 47-16 M 11L SME
C111	87-010-759-080		C-CAP,U 0.1-25 Z F
C112	87-012-286-080		C-CAP,U 0.01-25 K B
C113	87-010-759-080		C-CAP,U 0.1-25 Z F
C115	87-012-274-080		C-CAP,U 1000P-50 K B
C116	87-012-286-080		C-CAP,U 0.01-25 K B
C117	87-010-787-080		C-CAP,U 0.022-25 K B
C118	87-012-286-080		C-CAP,U 0.01-25 K B
C119	87-010-495-040		CAP,E 2.2-50 M 5L SRE
C120	87-012-281-080		C-CAP,U 3900P-50 K B GRM
C121	87-010-786-080		C-CAP,U 0.018-25 K B GRM
C122	87-010-786-080		C-CAP,U 0.018-25 K B GRM
C123	87-A10-707-080		C-CAP,U 0.47-10 Z F
C124	87-A10-707-080		C-CAP,U 0.47-10 Z F
C151	87-012-183-080		C-CAP,U 30P-50 J CH
C152	87-012-182-080		C-CAP,U 27P-50 J CH
C153	87-010-495-040		CAP,E 2.2-50 M 5L SRE
C154	87-012-268-080		C-CAP,U 330P-50 K B GRM
C155	87-012-271-080		C-CAP,U 560P-50 K B
C156	87-010-759-080		C-CAP,U 0.1-25 Z F
C157	87-010-553-040		CAP,E 47-16 M 5L SRE
C160	87-010-244-040		CAP,E 22-16 M 5L SRE
C202	87-A11-729-080		C-CAP,S 0.47-25 Z F
C203	87-A12-317-080		C-CAP,U 0.1-50 Z F
C205	87-010-553-040		CAP,E 47-16 M 5L SRE
C206	87-010-787-080		C-CAP,U 0.022-25 K B
C207	87-010-759-080		C-CAP,U 0.1-25 Z F
C208	87-010-759-080		C-CAP,U 0.1-25 Z F
C209	87-010-759-080		C-CAP,U 0.1-25 Z F
C211	87-010-787-080		C-CAP,U 0.022-25 K B
C212	87-010-759-080		C-CAP,U 0.1-25 Z F
C214	87-010-759-080		C-CAP,U 0.1-25 Z F
C216	87-010-787-080		C-CAP,U 0.022-25 K B
C219	87-012-278-080		C-CAP,U 2200P-50 K B
C220	87-010-553-040		CAP,E 47-16 M 5L SRE
C251	87-A12-317-080		C-CAP,U 0.1-50 Z F
C252	87-012-278-080		C-CAP,U 2200P-50 K B
C301	87-010-498-040		CAP,E 10-16 M 5L SRE
C302	87-010-498-040		CAP,E 10-16 M 5L SRE
C303	87-A10-047-080		C-CAP,U 1-10 Z F
C304	87-A10-047-080		C-CAP,U 1-10 Z F
C305	87-012-280-080		C-CAP,U 3300P-50 K B
C306	87-012-280-080		C-CAP,U 3300P-50 K B
C307	87-010-787-080		C-CAP,U 0.022-25 K B
C308	87-010-787-080		C-CAP,U 0.022-25 K B
C309	87-010-498-040		CAP,E 10-16 M 5L SRE
C310	87-010-498-040		CAP,E 10-16 M 5L SRE
C311	87-A10-781-080		C-CAP,U 0.15-10 K B
C312	87-A10-781-080		C-CAP,U 0.15-10 K B
C313	87-A10-781-080		C-CAP,U 0.15-10 K B
C314	87-A10-781-080		C-CAP,U 0.15-10 K B
C315	87-010-498-040		CAP,E 10-16 M 5L SRE
C316	87-010-498-040		CAP,E 10-16 M 5L SRE
C317	87-010-759-080		C-CAP,U 0.1-25 Z F
C318	87-010-498-040		CAP,E 10-16 M 5L SRE
C319	87-010-498-040		CAP,E 10-16 M 5L SRE
C321	87-010-555-040		CAP,E 100-10 M 5L SRE
C322	87-010-787-080		C-CAP,U 0.022-25 K B
C331	87-010-498-040		CAP,E 10-16 M 5L SRE
C332	87-010-498-040		CAP,E 10-16 M 5L SRE
C333	87-010-498-040		CAP,E 10-16 M 5L SRE
C334	87-010-498-040		CAP,E 10-16 M 5L SRE
C339	87-A10-047-080		C-CAP,U 1-10 Z F
C340	87-A10-047-080		C-CAP,U 1-10 Z F
C342	87-012-270-080		C-CAP,U 470P-50 K B
C344	87-012-270-080		C-CAP,U 470P-50 K B
C401	87-010-494-040		CAP,E 1-50 M 5L SRE
C405	87-010-759-080		C-CAP,U 0.1-25 Z F
C406	87-010-759-080		C-CAP,U 0.1-25 Z F
C407	87-A10-707-080		C-CAP,U 0.47-10 Z F
C408	87-A10-707-080		C-CAP,U 0.47-10 Z F
C409	87-A10-047-080		C-CAP,U 1-10 Z F
C410	87-A10-047-080		C-CAP,U 1-10 Z F
C451	87-A10-707-080		C-CAP,U 0.47-10 Z F
C452	87-A10-707-080		C-CAP,U 0.47-10 Z F
C453	87-A10-707-080		C-CAP,U 0.47-10 Z F
C454	87-012-286-080		C-CAP,U 0.01-25 K B
C501	87-A11-729-080		C-CAP,S 0.47-25 Z F
C502	87-A11-729-080		C-CAP,S 0.47-25 Z F
C503	87-A11-729-080		C-CAP,S 0.47-25 Z F
C504	87-A11-729-080		C-CAP,S 0.47-25 Z F
C505	87-012-271-080		C-CAP,U 560P-50 K B
C506	87-012-271-080		C-CAP,U 560P-50 K B
C507	87-012-271-080		C-CAP,U 560P-50 K B
C508	87-012-271-080		C-CAP,U 560P-50 K B
C509	87-A10-047-080		C-CAP,U 1-10 Z F
C510	87-010-553-040		CAP,E 47-16 M 5L SRE
C511	87-A12-317-080		C-CAP,U 0.1-50 Z F

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C512	87-A12-317-080		C-CAP,U 0.1-50 Z F
C513	87-A12-317-080		C-CAP,U 0.1-50 Z F
C514	87-A12-317-080		C-CAP,U 0.1-50 Z F
C519	87-A11-062-080		C-CAP,S 2.2-16 Z F
C521	87-A12-317-080		C-CAP,U 0.1-50 Z F
C801	8A-KC7-623-000		CAP,E 2200-16 125 BT
C901	87-016-039-090		CAP,DL 0.022F-5.5 Z 70 FM
C902	87-A10-707-080		C-CAP,U 0.47-10 Z F
C903	87-010-759-080		C-CAP,U 0.1-25 Z F
C904	87-012-182-080		C-CAP,U 27P-50 J CH
C905	87-012-180-080		C-CAP,U 22P-50 J CH
C906	87-010-759-080		C-CAP,U 0.1-25 Z F
C907	87-012-274-080		C-CAP,U 1000P-50 K B
C908	87-012-274-080		C-CAP,U 1000P-50 K B
C909	87-010-787-080		C-CAP,U 0.022-25 K B
C910	87-012-195-080		C-CAP,U 100P-50 J CH
C911	87-012-195-080		C-CAP,U 100P-50 J CH
C912	87-010-787-080		C-CAP,U 0.022-25 K B
C913	87-012-286-080		C-CAP,U 0.01-25 K B
C914	87-010-787-080		C-CAP,U 0.022-25 K B
CON401	87-A61-507-010		CONN,26P TKC-W26P-A1
CON402	88-KTA-603-010		CONN,15P CAM-B68
CON501	8A-KT1-646-010		CONN ASSY,8P ISO-WHITE-B
CON502	8A-KT1-645-010		CONN ASSY,8P ISO-BLACK-B
D909	87-027-262-010		LED,TLR124 RED
⚠ F251	8B-KC1-621-010		FUSE,15A 32V
J401	87-A61-225-110		JACK,PIN 2P XR-401
L101	87-003-143-080		COIL,4.7UH K LAL02
L102	8Z-KT1-619-010		COIL,68MH K7-D
L201	87-003-149-080		COIL,47UH J LAL02
L301	87-003-102-080		COIL,10UH J LAL02
L401	87-005-906-080		C-COIL,S 10UH K LK2125
L402	87-003-102-080		COIL,10UH J LAL02
L851	8B-KCF-615-010		FLTR,AMORPHOUS -CHOKE
SFR101	87-024-437-080		SFR,100K H RH063MC
SW901	87-A91-070-010		SW,TACT SKHHLV
TU101	8B-KC3-620-110		TU UNIT, FAE347-E22
X151	87-A70-091-010		VIB,XTAL 4.332MHZ CSA-309
X901	87-A70-175-010		VIB,XTAL 4.5MHZ AT-49

FRONT C.B

C702	87-A10-707-080		C-CAP,U 0.47U-16 Z F
C706	87-012-272-080		C-CAP,U 680P-50 K B GRM
C707	87-010-757-080		C-CAP,U 0.047-25 Z F
C708	87-010-757-080		C-CAP,U 0.047-25 Z F
C709	87-010-757-080		C-CAP,U 0.047-25 Z F
C710	87-010-787-080		C-CAP,U 0.022-25 K B
C711	87-010-787-080		C-CAP,U 0.022-25 K B
CON701	88-KTA-602-010		C-CONN,15P CAM-B67
D719	87-A40-813-240		C-LED,SEC1E01C BLU
D720	87-A40-813-240		C-LED,SEC1E01C BLU
D721	87-A40-813-240		C-LED,SEC1E01C BLU
D725	87-A91-355-040		C-LED,BR1112H-TR-RED
D726	87-A91-355-040		C-LED,BR1112H-TR-RED
FFC751	8A-KC7-611-010		F-CABLE,3P (AUX)
LCD701	8B-KCA-610-010		LCD,BKC-10
PL701	8B-KCF-631-010		LAMP,9V-65MA
PL702	8B-KCF-631-010		LAMP,9V-65MA
SW701	87-A91-987-080		SW,TACT SKQCAB
SW702	87-A91-987-080		SW,TACT SKQCAB
SW703	87-A91-987-080		SW,TACT SKQCAB
SW704	87-A91-987-080		SW,TACT SKQCAB
SW705	87-036-339-080		C-SW,TACT SKQM
SW706	87-036-339-080		C-SW,TACT SKQM
SW707	87-A91-987-080		SW,TACT SKQCAB
SW708	87-036-339-080		C-SW,TACT SKQM
SW709	87-A91-987-080		SW,TACT SKQCAB
SW710	87-A91-987-080		SW,TACT SKQCAB
SW711	87-A91-987-080		SW,TACT SKQCAB
SW712	87-036-339-080		C-SW,TACT SK
SW713	87-A91-987-080		SW,TACT SKQCAB
SW714	87-036-339-080		C-SW,TACT SKQM
SW715	87-036-339-080		C-SW,TACT SKQM
SW716	87-A91-986-010		SW,RTRY EC12E24504-15MM
SW717	87-A91-987-080		SW,TACT SKQCAB

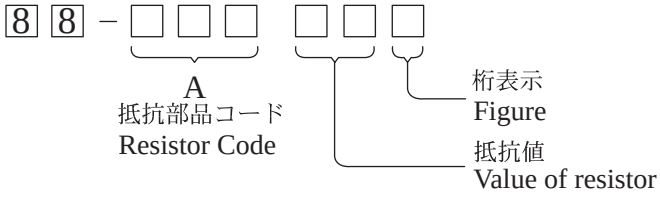
SERVO 2M C.B

C801	87-010-552-040		CAP,E 22-16 M 5L SRE
C802	87-012-286-080		C-CAP,U 0.01-25 K B
C803	87-A10-189-040		CAP,E 220-10 M 5L
C821	87-012-286-080		C-CAP,U 0.01-25 K B
C822	87-012-286-080		C-CAP,U 0.01-25 K B
C823	87-012-337-080		C-CAP,U 56P-50 J CH GRM
C824	87-012-162-080		C-CAP,U 1P-50 C CH
C825	87-A10-260-080		C-CAP,U 0.1-16 K B
C826	87-010-555-040		CAP,E 100-10 M 5L SRE
C827	87-012-286-080		C-CAP,U 0.01-25 K B
C828	87-A10-260-080		C-CAP,U 0.1-16 K B
C829	87-A10-353-080		C-CAP,U 0.22-10 K B
C830	87-A10-353-080		C-CAP,U 0.22-10 K B
C832	87-012-286-080		C-CAP,U 0.01-25 K B
C833	87-010-555-040		CAP,E 100-10 M 5L SRE
C834	87-010-555-040		CAP,E 100-10 M 5L SRE
C835	87-010-555-040		CAP,E 100-10 M 5L SRE
C837	87-012-282-080		C-CAP,U 4700P-50 K B
C841	87-010-555-040		CAP,E 100-10 M 5L SRE
C842	87-010-555-040		CAP,E 100-10 M 5L SRE
C843	87-012-176-080		C-CAP,U 15P-50
C844	87-012-176-080		C-CAP,U 15P-50
C845	87-012-270-080		C-CAP,U 470P-50 K B
C846	87-012-270-080		C-CAP,U 470P-50 K B
C847	87-A10-504-080		C-CAP,U 0.047-16 K B
C848	87-012-286-080		C-CAP,U 0.01-25 K B
C849	87-012-286-080		C-CAP,U 0.01-25 K B
C850	87-010-555-040		CAP,E 100-10 M 5L SRE
C851	87-010-555-040		CAP,E 100-10 M 5L SRE
C858	87-A10-504-080		C-CAP,U 0.047-16 K B
C859	87-A10-504-080		C-CAP,U 0.047-16 K B
C860	87-A10-504-080		C-CAP,U 0.047-16 K B
C861	87-012-282-080		C-CAP,U 4700P-50 K B
C862	87-012-279-080		C-CAP,U 2700P-50 K B GRM
C863	87-012-286-080		C-CAP,U 0.01-25 K B
C864	87-010-785-080		C-CAP,U 0.015-25 K B GRM
C865	87-010-553-040		CAP,E 47-16 M 5L SRE
C866	87-010-553-040		CAP,E 47-16 M 5L SRE
C867	87-012-286-080		C-CAP,U 0.01-25 K B
C868	87-012-188-080		C-CAP,U 47P-50 J CH
C869	87-010-553-040		CAP,E 47-16 M 5L SRE
C870	87-010-553-040		CAP,E 47-16 M 5L SRE
C871	87-012-286-080		C-CAP,U 0.01-25 K B
C872	87-012-195-080		C-CAP,U 100P-50 J CH
C873	87-012-195-080		C-CAP,U 100P-50 J CH
C874	87-012-195-080		C-CAP,U 100P-50 J CH
C875	87-012-195-080		C-CAP,U 100P-50 J CH
C876	87-010-555-040		CAP,E 100-10 M 5L SRE
C878	87-010-555-040		CAP,E 100-10 M 5L SRE
C879	87-A10-260-080		C-CAP,U 0.1-16 K B
C881	87-012-273-080		C-CAP,U 820P-50 K B
C882	87-012-273-080		C-CAP,U 820P-50 K B
C883	87-010-497-040		CAP,E 4.7-35 M 5L SRE
C884	87-010-497-040		CAP,E 4.7-35 M 5L SRE
C885	87-012-196-080		C-CAP,U 120P-50 J CH
C886	87-012-196-080		C-CAP,U 120P-50 J CH
C887	87-010-495-040		CAP,E 2.2-50 M 5L SRE
C888	87-010-495-040		CAP,E 2.2-50 M 5L SRE
C889	87-010-553-040		CAP,E 47-16 M 5L SRE
C890	87-010-553-040		CAP,E 47-16 M 5L SRE

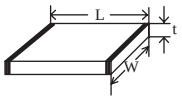
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C891	87-010-555-040		CAP,E 100-10 M 5L SRE
C898	87-010-555-040		CAP,E 100-10 M 5L SRE
C899	87-012-195-080		C-CAP,U 100P-50 J CH
CON801	87-A61-718-080		C-CONN,26P V TKC-W26X-A1
L821	87-003-102-080		COIL,10UH J LAL02
L841	87-003-143-080		COIL,4.7UH K LAL02
L842	87-003-143-080		COIL,4.7UH K LAL02
X841	81-592-641-010		VIB,CER 16.93MHZ
FLEX C.B			
	8B-ZG3-603-010		PWB,FLEX PIC
SW C.B			
SW1	87-A92-279-080		C-SW,PUSH 2-1 ESE22MH22XQ
SW2	87-A92-279-080		C-SW,PUSH 2-1 ESE22MH22XQ
AUX C.B			
J751	85-HRL-623-010		JACK,3.5 BLK ST BLK

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

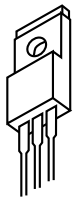
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

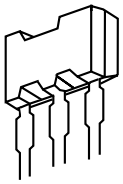
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード Resistor Code ：A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



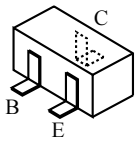
B C E

KTA1658(Y)
KTC4369(Y)

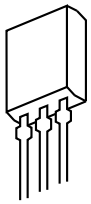


E C B

2SD1858TV2



2SA1037AK(Q)
2SC2412KR
DTA114TKA
DTA114YKA
DTC114TKA
DTC114YKA



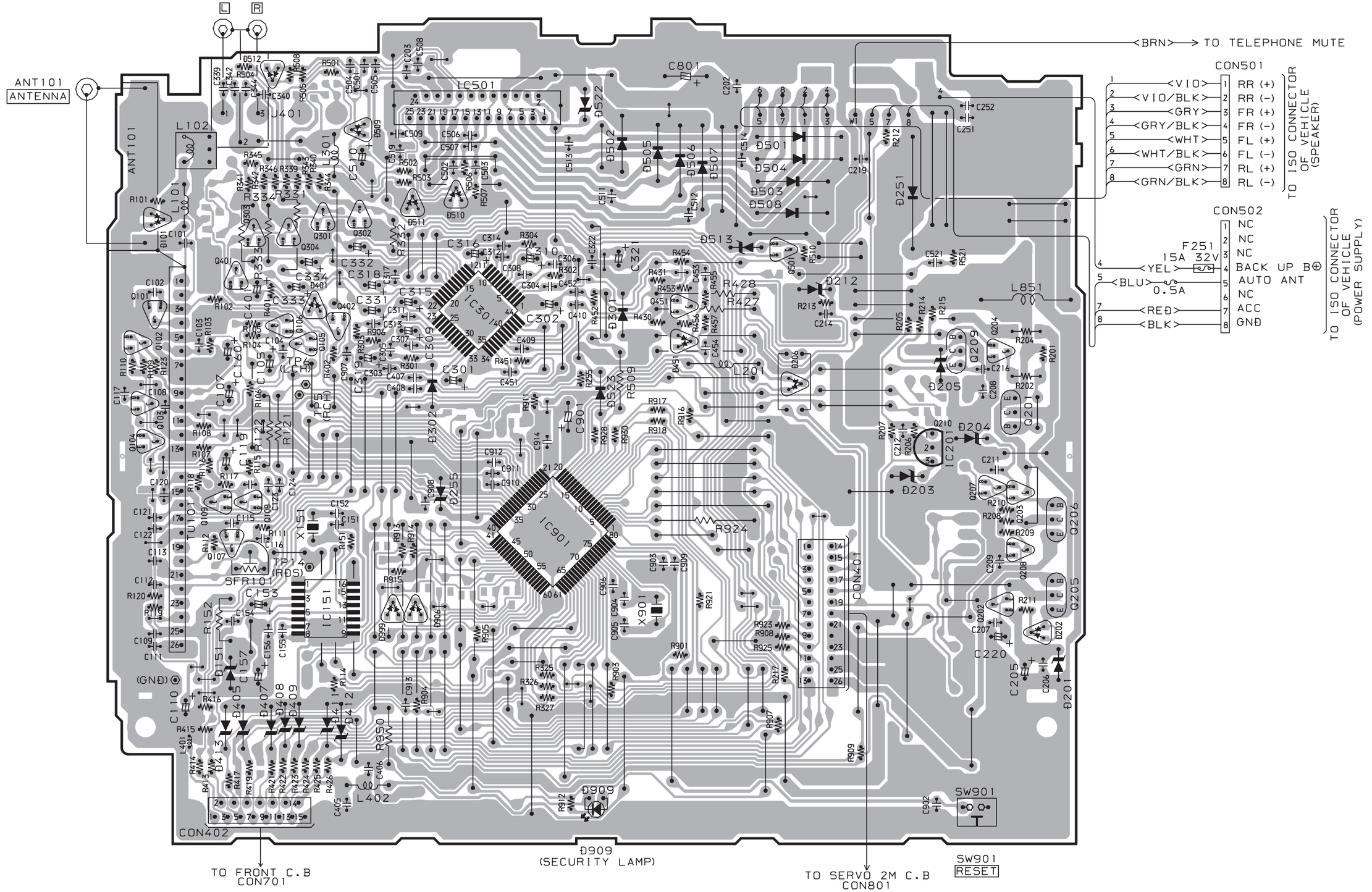
E C B

2SB1326

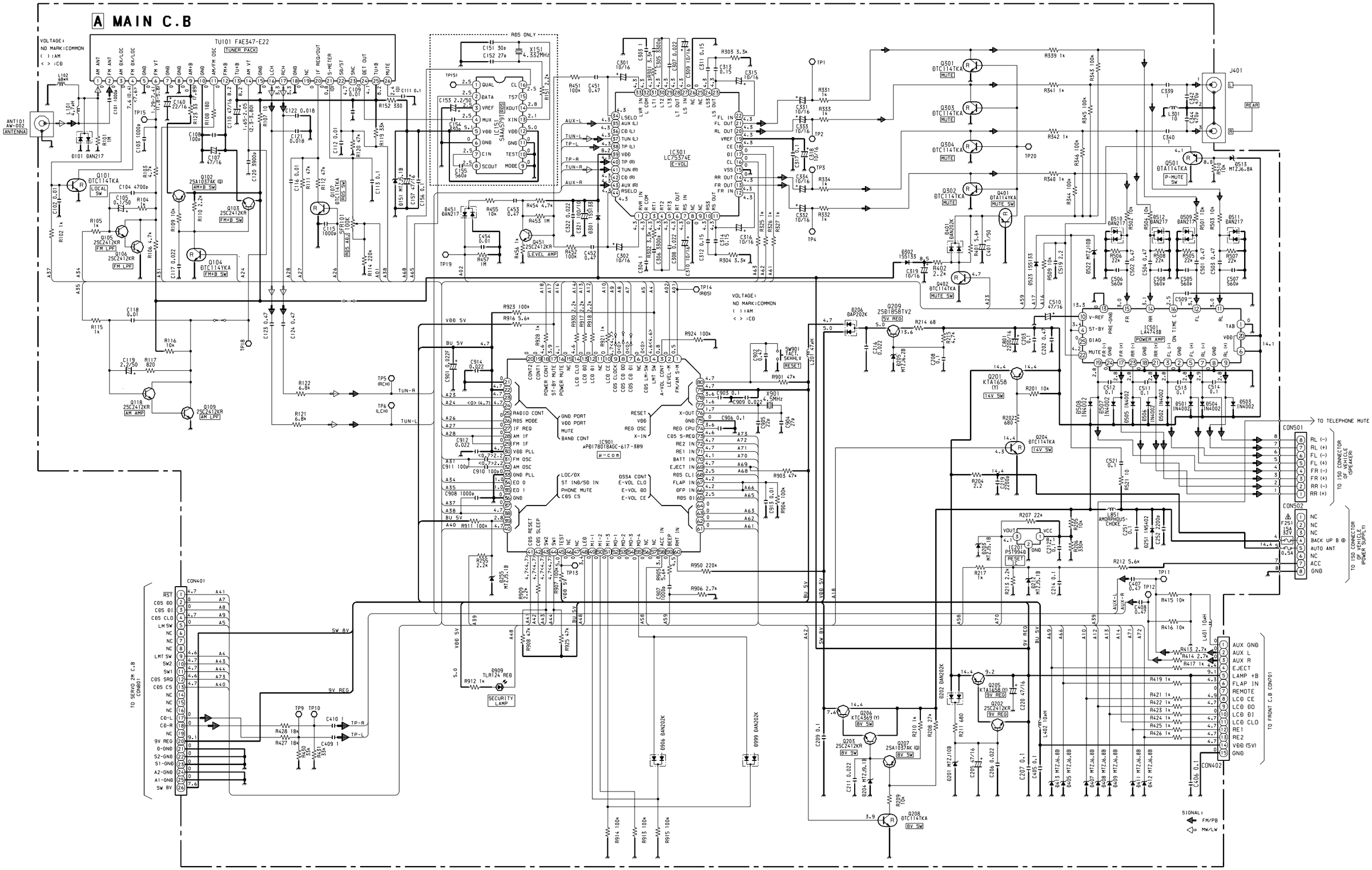
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

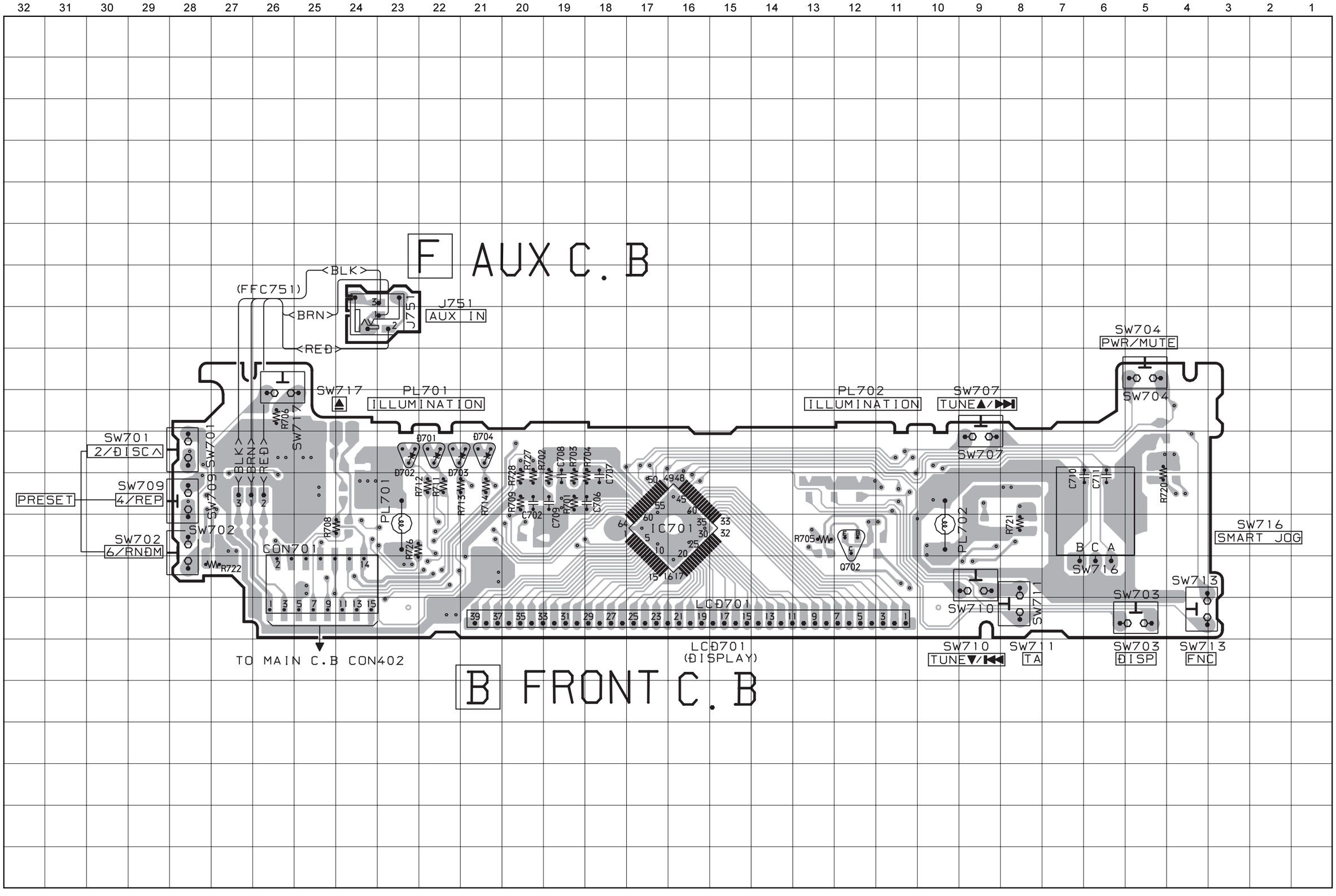
A MAIN C.B

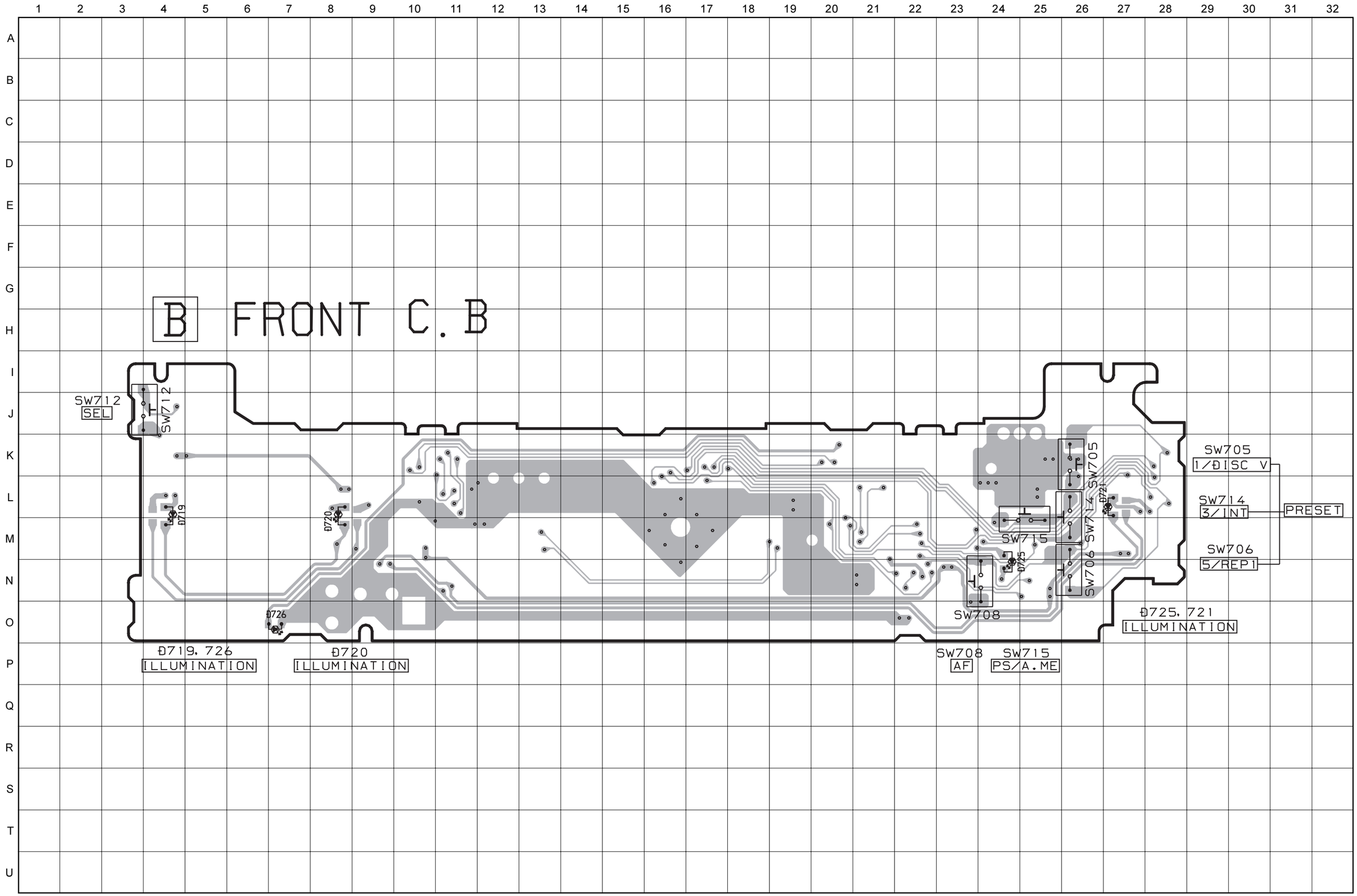


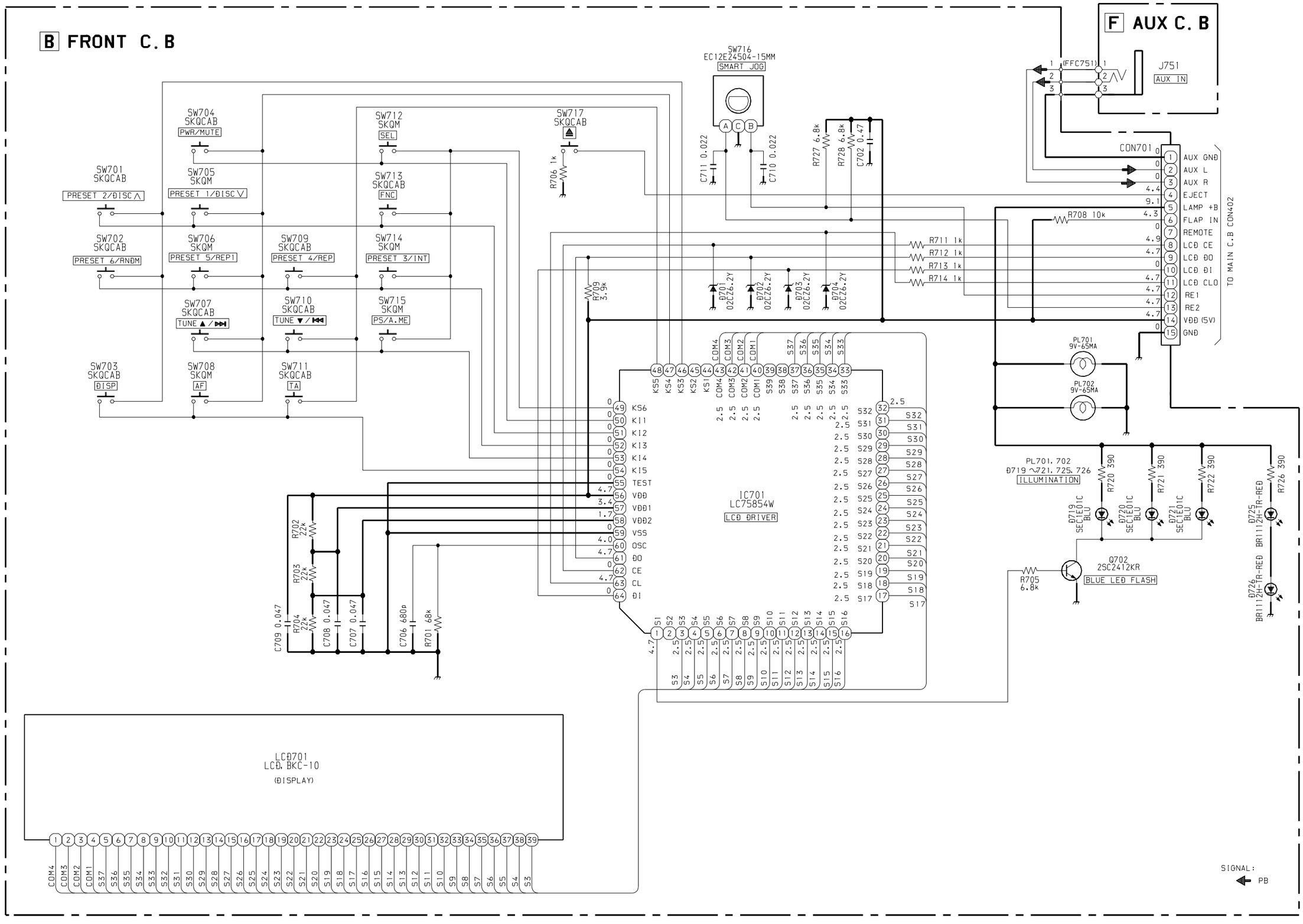
SCHEMATIC DIAGRAM – 1 (MAIN)



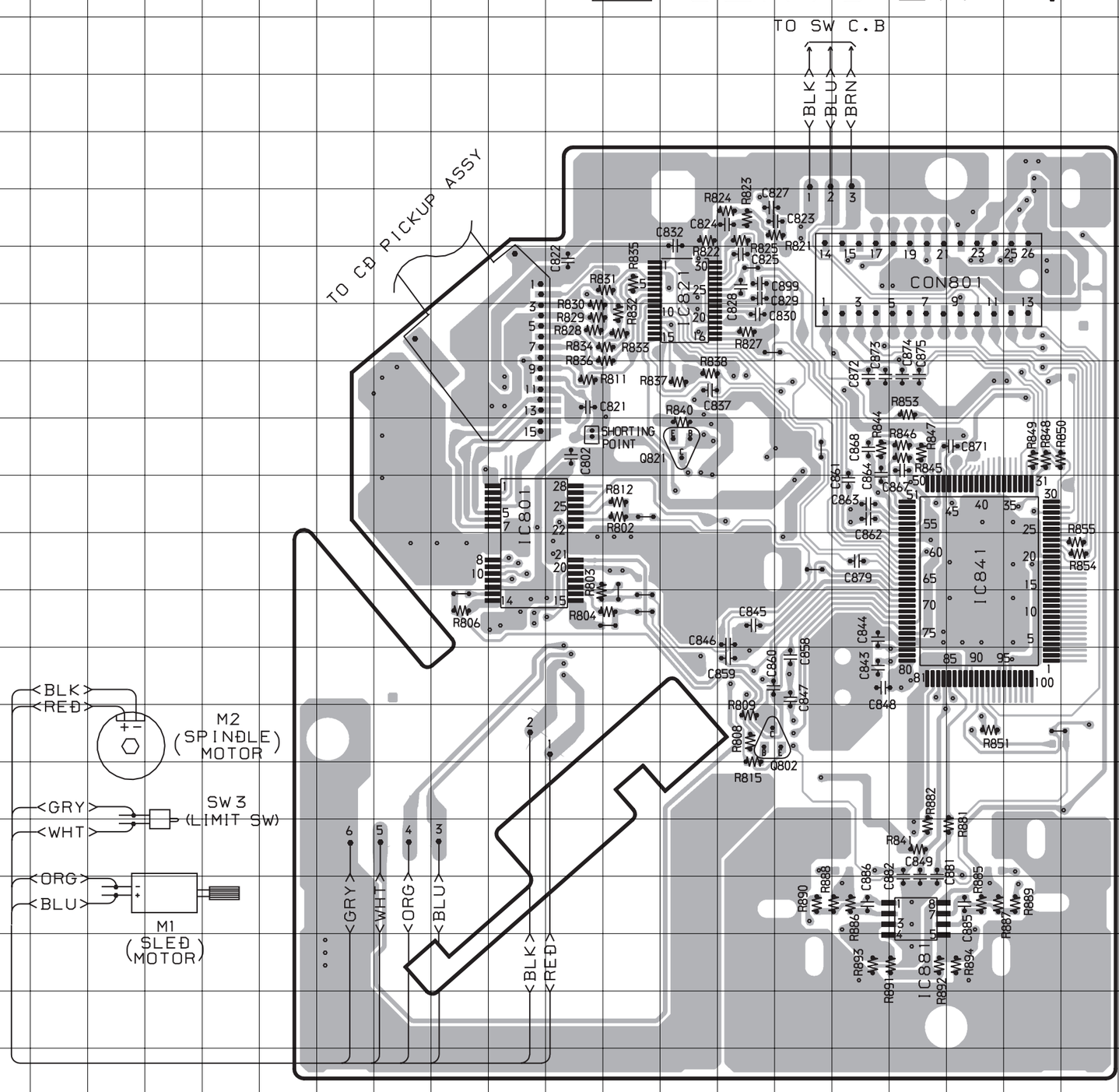
WIRING – 2 (FRONT / AUX) <1 / 2>



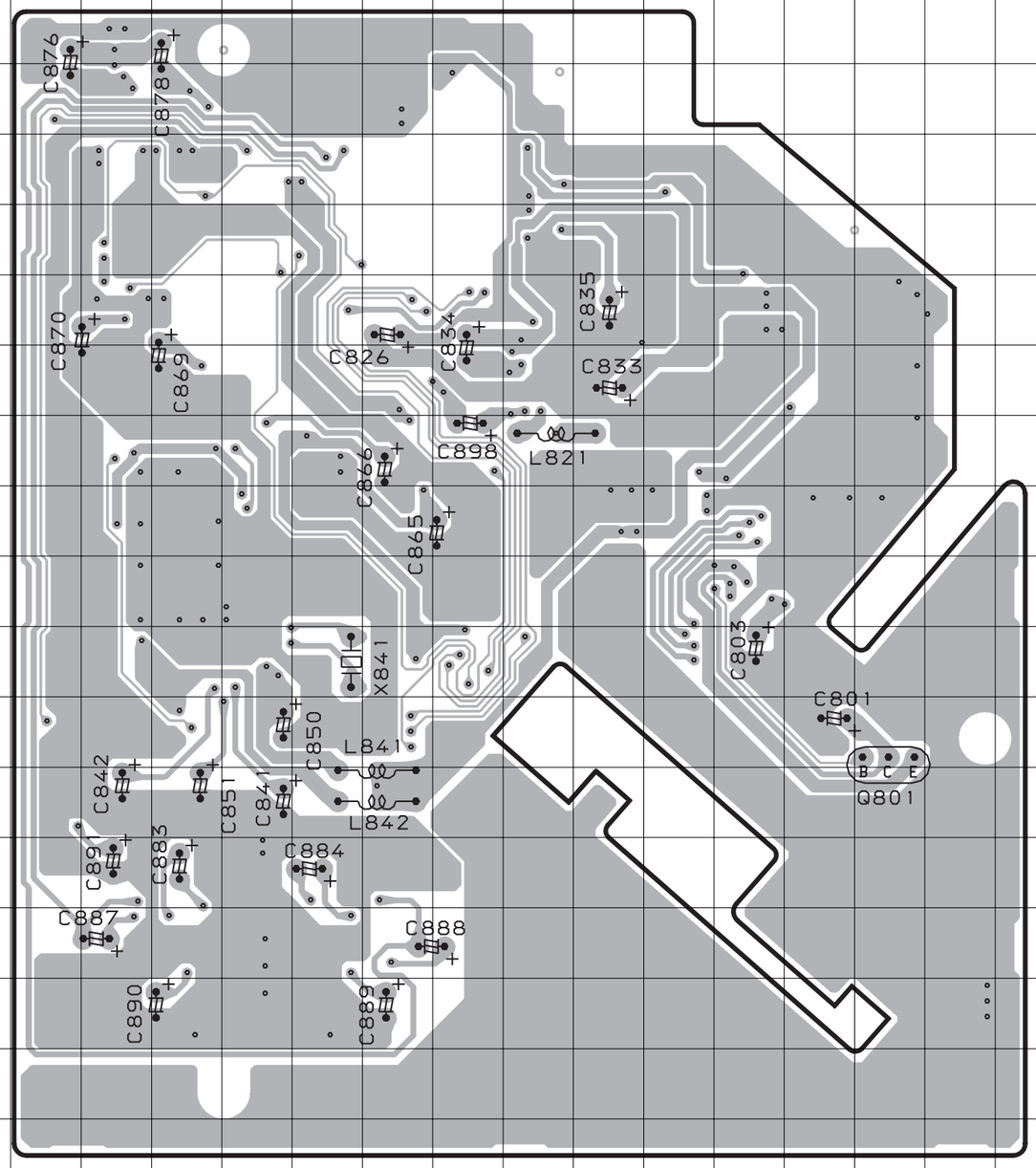

B FRONT C.B
SW712
SEL
SW712
Ð719
Ð720
Ð726
SW705
1/ÐISC V
SW714
3/INT
PRESET
SW706
5/REP1
SW715
SW708
Ð725
Ð721
ILLUMINATION
Ð719, 726
ILLUMINATION
Ð720
ILLUMINATION
SW708
AF
SW715
PS/A.ME


B FRONT C.B
F AUX C.B
SW716
EC12E24504-15MM
SMART JOG
J751
AUX IN
(FFC751)
CON701
TO MAIN C.B CON402
AUX GND
AUX L
AUX R
EJECT
LAMP +B
FLAP IN
REMOTE
LCD CE
LCD DO
LCD DI
LCD CLO
RE1
RE2
VDD (5V)
GND
SW701 SKQCAB PRESET 2/DISC∧
SW702 SKQCAB PRESET 6/RNDM
SW703 SKQCAB DISP
SW704 SKQCAB PWR/MUTE
SW705 SKQM PRESET 1/DISC∨
SW706 SKQM PRESET 5/REPT
SW707 SKQCAB TUNE ▲ / ⏭
SW708 SKQM AF
SW709 SKQCAB PRESET 4/REP
SW710 SKQCAB TUNE ▼ / ⏮
SW711 SKQCAB TA
SW712 SKQM SEL
SW713 SKQCAB FNC
SW714 SKQM PRESET 3/INT
SW715 SKQM PS/A.ME
SW717 SKQCAB
R706 1k
R709 3.9k
R727 6.8k
R728 6.8k
C702 0.47
C711 0.022
C710 0.022
R708 10k
R711 1k
R712 1k
R713 1k
R714 1k
D701 02CZ6.2Y
D702 02CZ6.2Y
D703 02CZ6.2Y
D704 02CZ6.2Y
PL701 9V-65MA
PL702 9V-65MA
PL701,702 D719 ~721,725,726 ILLUMINATION
R720 390
R721 390
R722 390
R726 390
D719 SEC1E01C BLU
D720 SEC1E01C BLU
D721 SEC1E01C BLU
D725 BR1112H-TR-RED
D726 BR1112H-TR-RED
Q702 2SC2412KR BLUE LED FLASH
R705 6.8k
IC701 LC75854W LCD DRIVER
KS6
KI1
KI2
KI3
KI4
KI5
TEST
VDD
VDD1
VDD2
VSS
OSC
DO
CE
CL
DI
COM4
COM3
COM2
COM1
S37
S36
S35
S34
S33
S32
S31
S30
S29
S28
S27
S26
S25
S24
S23
S22
S21
S20
S19
S18
S17
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
S13
S14
S15
S16
R702 22k
R703 22k
R704 22k
C709 0.047
C708 0.047
C707 0.047
C706 680p
R701 68k
LCD701
LCD, BKC-10
(DISPLAY)
SIGNAL:
PB

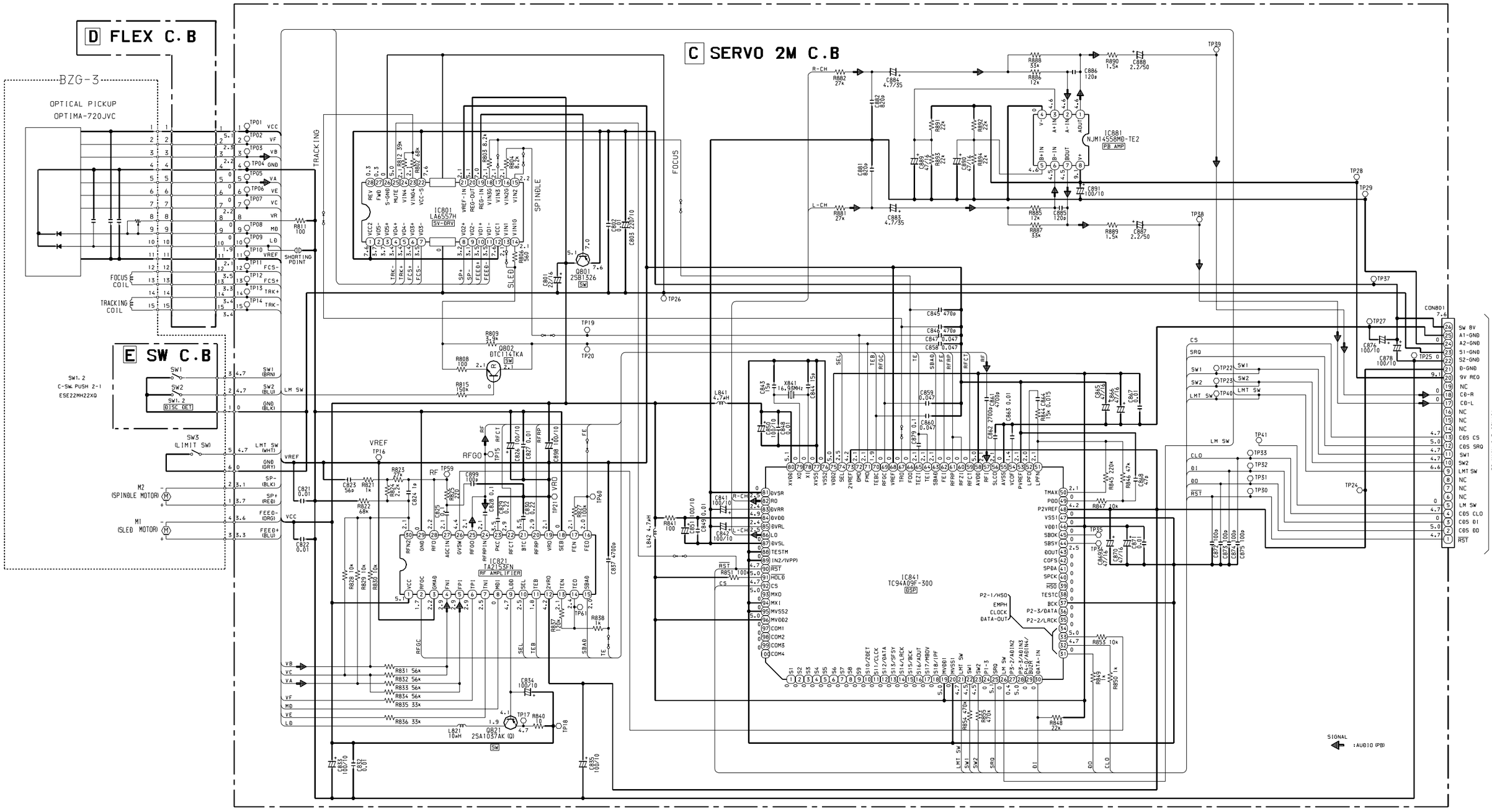
C SERVO 2M C.B

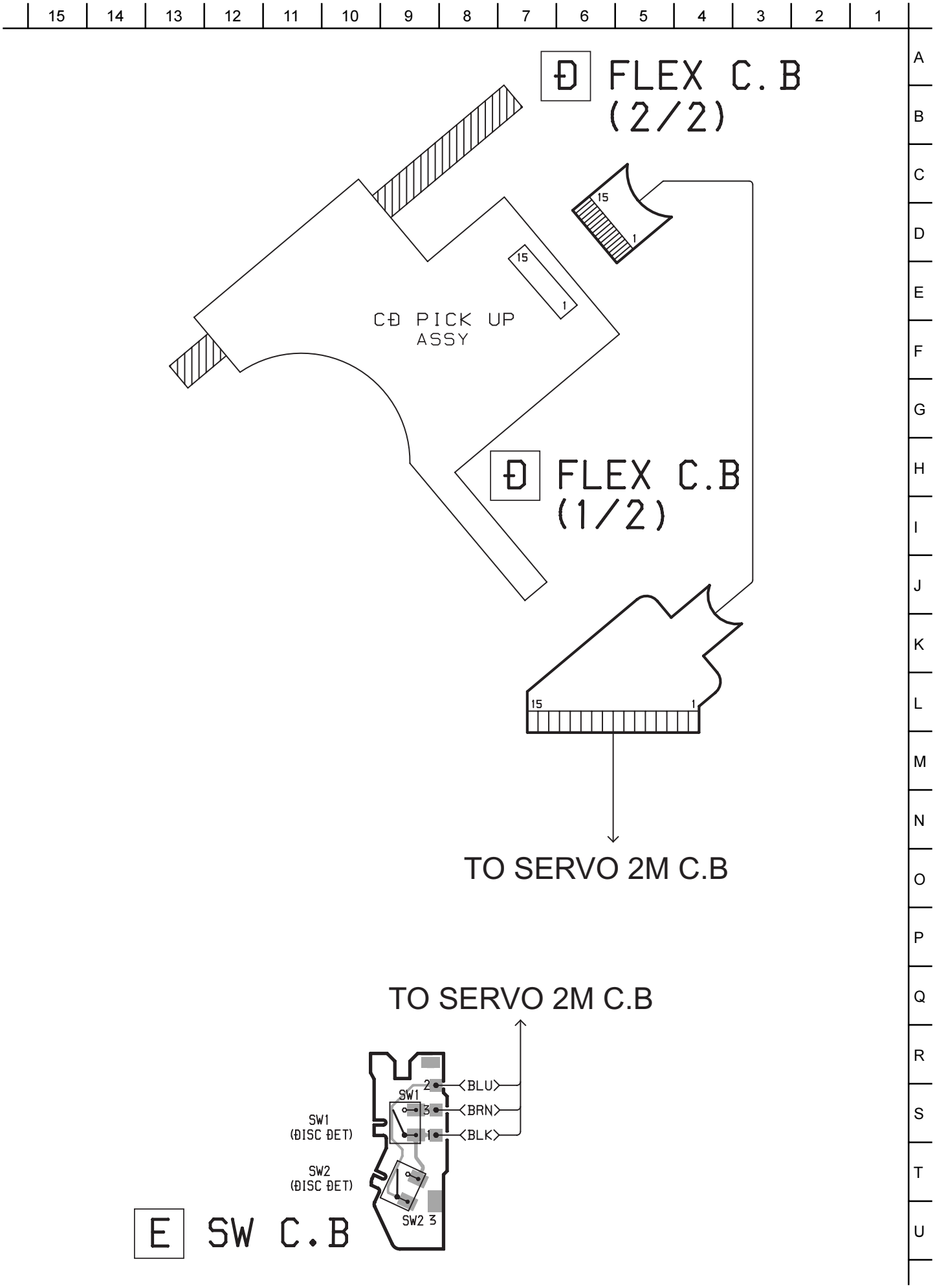

TO SW C.B
BLK
BLU
BRN
TO CD PICKUP ASSY
CON801
IC821
IC801
IC841
IC881
Q821
Q802
SHORTING POINT
M2
(SPINDLE)
MOTOR
SW3
(LIMIT SW)
M1
(SLED)
MOTOR
<BLK
<RED
<GRY
<WHT
<ORG
<BLU

C SERVO 2M C. B


C876
C878
C870
C869
C826
C834
C835
C833
C898
L821
C866
C865
C803
X841
C801
C850
L841
C842
C851
C841
L842
Q801
B C E
C891
C883
C884
C887
C888
C890
C889

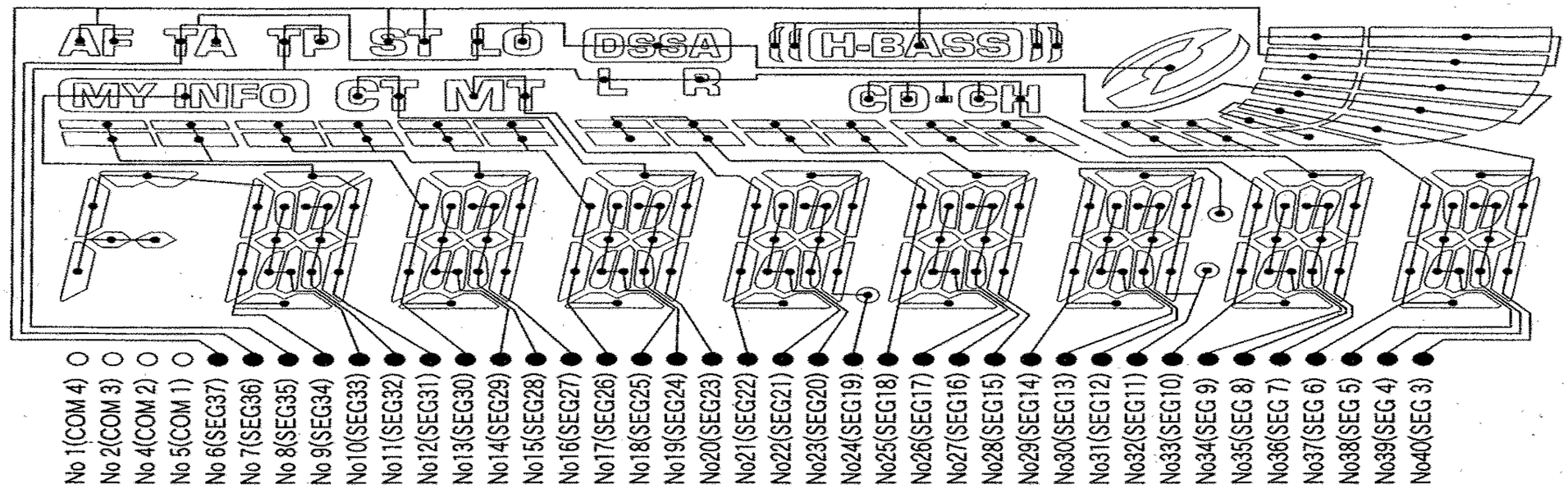
SCHEMATIC DIAGRAM – 3 (SERVO 2M / FLEX / SW)



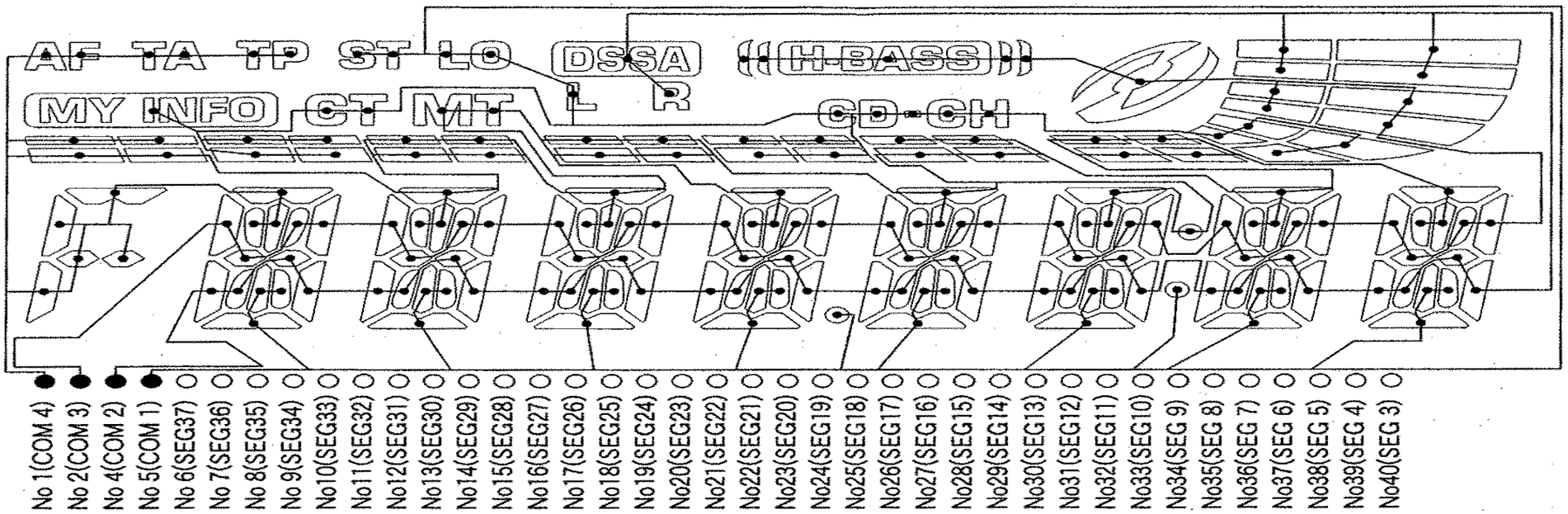

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
A B C D E F G H I J K L M N O P Q R S T U
Đ FLEX C.B (2/2)
15
1
15
1
CĐ PICK UP ASSY
Đ FLEX C.B (1/2)
15
1
TO SERVO 2M C.B
TO SERVO 2M C.B
SW1 (ĐISC ĐET)
SW2 (ĐISC ĐET)
SW1
SW2
2
3
1
SW2 3
BLU
BRN
BLK
E SW C.B

LCD DIAGRAM (LCD, BKC-10)

SEGMENT WIRING

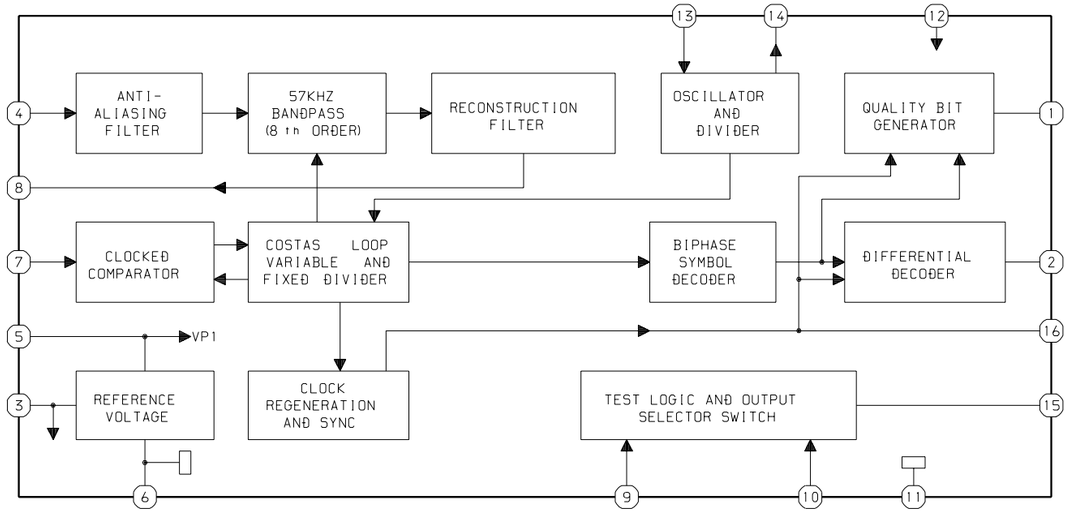


COMMON WIRING

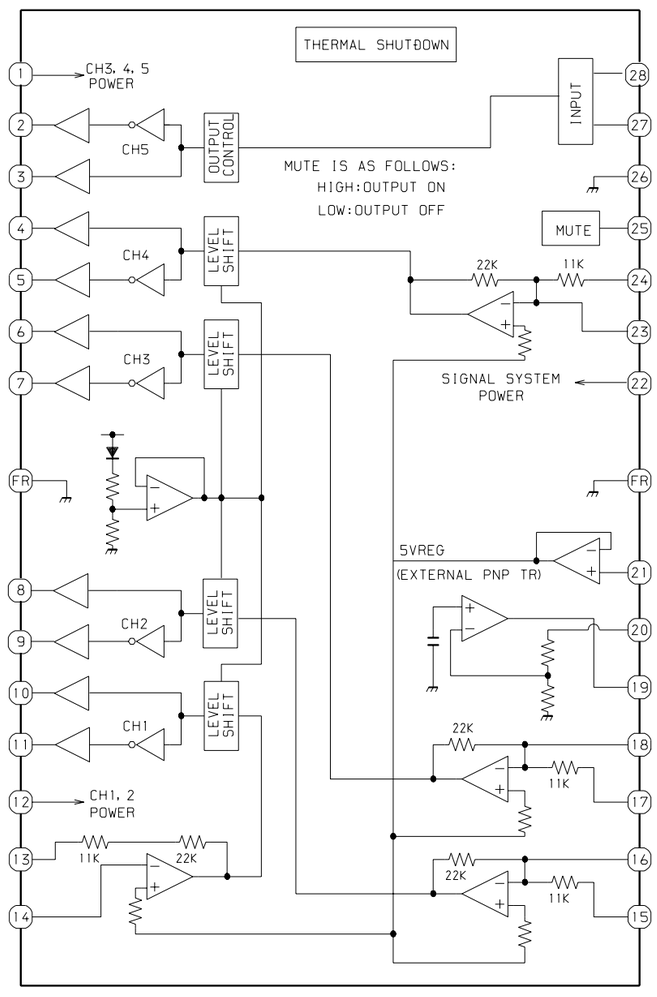


IC BLOCK DIAGRAM

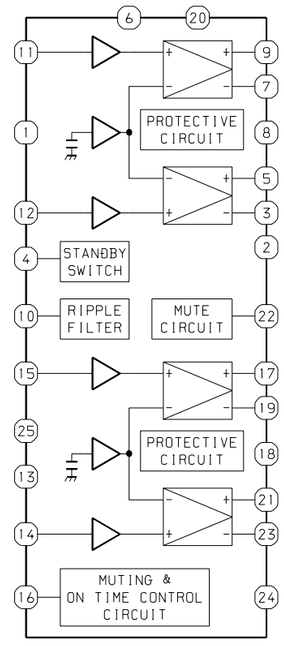
IC, SAA6579T



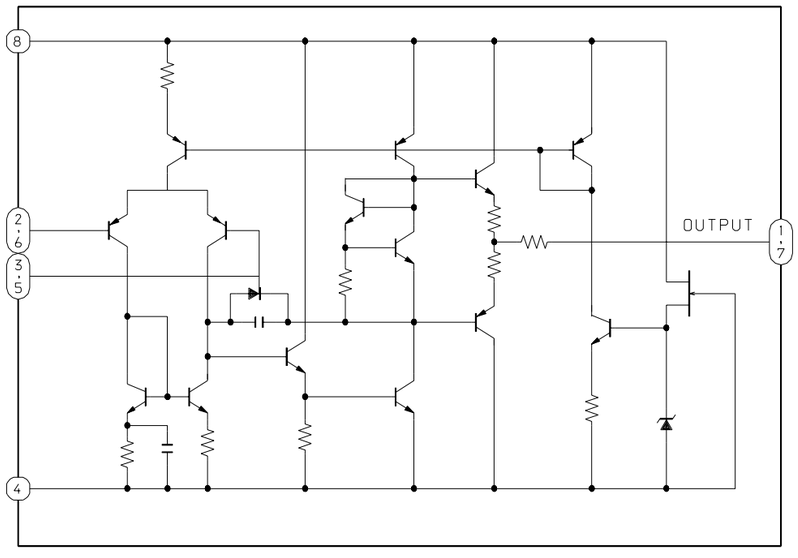
IC, LA6557H



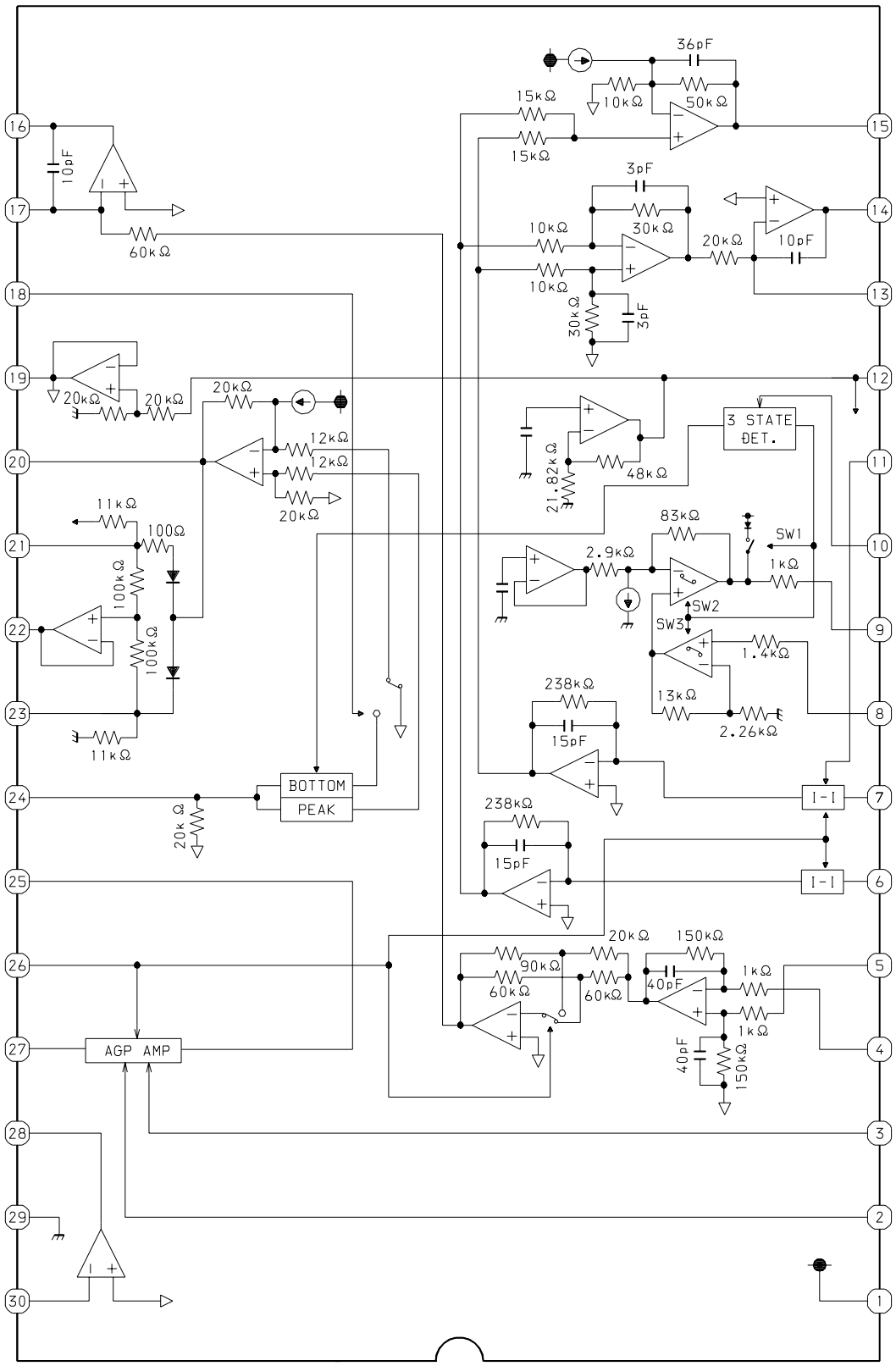
IC, LA4743B



IC, NJM14558MD-TE2



IC, TA2153FN


36pF
15kΩ
10kΩ
50kΩ
15kΩ
3pF
10kΩ
30kΩ
20kΩ
10pF
10kΩ
30kΩ
3pF
10pF
60kΩ
20kΩ
20kΩ
20kΩ
12kΩ
12kΩ
20kΩ
3 STATE
DET.
21.82kΩ
48kΩ
11kΩ
100Ω
100kΩ
100kΩ
83kΩ
SW1
2.9kΩ
1kΩ
SW2
SW3
1.4kΩ
238kΩ
13kΩ
2.26kΩ
15pF
11kΩ
BOTTOM
PEAK
20kΩ
238kΩ
15pF
I-I
I-I
20kΩ
150kΩ
90kΩ
60kΩ
60kΩ
40pF
1kΩ
1kΩ
40pF
150kΩ
AGP AMP
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
15
14
13
12
11
10
9
8
7
6
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4
3
2
1

IC DESCRIPTION

IC, UPD178018AGC-617-3B9

Pin No.	Pin Name	I/O	Description
1	FM/AM S-M	I	RDS AF signal input and FM/AM S-meter signal input.
2	LEVEL-M	I	Voltage input for level indicator.
3	A-VOL CONT	I	Microphone input detect and auto-volume function. (Connected to GND via a resistor)
4	LMT SW	I	Inner track detect input.
5	CDS LM-SW	O	CD mechanism loading/eject and sled switch output.
6	NC	O	Not connected.
7	CDS CD DI	I	Serial data signal input.
8	CDS CD DO	O	Serial data signal output.
9	CDS CLOCK	O	Serial sync clock signal.
10	LCD CE	O	LCD driver CD signal output.
11	NC	O	Not connected.
12	LCD DI	I	Data signal input for LCD driver.
13	LCD DO	O	Data signal output for LCD driver.
14	LCD CLO	O	Sync clock signal output for LCD driver.
15	NC	O	Not connected.
16	POWER MUTE	O	POWER MUTE signal output.
17	ST-BY MUTE	O	ST-BY MUTE signal output.
18	POWER CONT	O	POWER CONTROL signal output.
19	CONT 1	O	LCD contrast control 1. (Not used)
20	CONT 2	O	LCD contrast control 2. (Not used)
21	GND PORT	–	GND for port.
22	VDD PORT	–	Power supply for port.
23	MUTE	O	Audio mute output.
24	BAND CONT	O	FM/AM power supply switch output.
25	RADIO CONT	O	Radio power supply switch output.
26	RDS MODE	O	High output only during RDS AF function.
27	IF REQ	O	Request output for IF count signal.
28	AM IF	I	AM IF count signal input.
29	FM IF	I	FM IF count signal input.
30	VDD PLL	–	Power supply for PLL.
31	FM OSC	I	Input from FM station.
32	AM OSC	I	Input from AM station.
33	GND PLL	–	GND for PLL.
34	EO 0	O	Error out from charge pump.
35	EO 1		
36	GND	–	Connected to GND.
37	LOC/DX	O	LOC/DX switch output during radio seek.
38	ST IND/SD IN	I	Stereo signal input during FM tuning / Station detect signal input during FM/AM seek.
39	PHONE MUTE	I	External mute control.
40	CDS CS	O	CS signal output.

Pin No.	Pin Name	I/O	Description
41	CDS RESET	O	CD mechanism reset signal output.
42	CDS SLEEP	O	SLEEP signal output.
43	SW2	I	8 cm detect input.
44	SW1	I	DISC-IN input.
45	TEST	I	CD TEST port.
46	NC	O	Not connected.
47	NC	O	Not connected.
48	LED	O	Security LED flash control.
49	MI-1	I	Diode matrix input for initial setting.
50	MI-2		
51	MI-3		
52	MO-1	O	Diode matrix output for initial setting. (Not used)
53	MO-2		
54	MO-3		
55	MO-4	O	Diode matrix output for initial setting.
56	NC	O	Not connected.
57	NC	O	Not connected.
58	ACC IN	I	ACC ON/OFF detect.
59	BEEP	O	BEEP output.
60	RMT IN	I	Remote control input.
61	E-VOL CE	O	CE output to electronic volume.
62	E-VOL DO	O	Data output to electronic volume.
63	E-VOL CLO	O	Clock output to electronic volume.
64	DSSA CONT	O	High output when DSSA L/R function.
65	RDS DI	I	RDS data input.
66	DFP IN	I	Front panel detect.
67	FLAP IN	I	FLAP DFP OPEN/CLOSE detect.
68	RDS CLI	I	RDS clock input.
69	EJECT IN	I	EJECT detect input.
70	BATT IN	I	BATT ON/OFF input.
71	RE1 IN	I	Rotary encoder input 1.
72	RE2 IN	I	Rotary encoder input 2.
73	CDS S-REQ	I	S-REQ signal input for CDS.
74	REG CPU	–	Regulator for CPU power supply. (Connected to GND via a 0.1uF capacitor)
75	GND	–	Connected to GND.
76	X-OUT	O	System clock oscillator.
77	X-IN	I	
78	REG OSC	–	Regulator for oscillator circuit. (Connected to GND via a 0.1uF capacitor)
79	VDD	–	System power supply.
80	RESET	I	System reset.

IC, LC75374E

Pin No.	Pin Name	I/O	Description
1	RVR IN	I	4dB volume control input. Must be driven at a low impedance.
2	R COM	–	1dB volume control common pin.
3 ~ 5	RT1 ~ RT3	–	For the connection of capacitors that compensate for bass and treble in the tone control circuits. A high-frequency compensation capacitors must be connected between RT1 and RT2. A low-frequency compensation capacitors must be connected between RT2 and RT3.
6	RT OUT	O	Tone control output.
7	RS IN	I	Super bass input. Must be driven at a low impedance.
8	NC	–	Connected to GND.
9	NC	–	Not connected.
10	RS3	–	For the connection of RCH super bass compensation capacitors.
11	RS OUT		
12	FR IN	I	Fader input. Must be driven at a low impedance.
13	FR OUT	O	Fader output. The front and rear sides can be attenuated independently.
14	RR OUT		
15	VSS	–	GND.
16	CL	I	Serial data and clock input for control.
17	DI		
18	CE	–	Chip enable. Data is written in the internal latch when the chip enable signal goes "L" from "H", and each analog switch is activated. Data transfer is enabled at "H".
19	VREF	–	Generates a 1/2VDD power source. A capacitor must be connected between VREF and GND as a troubleshooting against power ripples.
20	RL OUT	O	Fader output. The front and rear sides can be attenuated independently.
21	FL OUT		
22	FL IN	I	Fader input. Must be driven at a low impedance.
23	LS OUT	–	For the connection of LCH super bass compensation capacitors.
24	LS3		
25	NC	–	Not connected.
26	NC	–	Connected to GND.
27	LS IN	I	Super bass input. Must be driven at a low impedance.
28	LT OUT	O	Tone control output.
29 ~ 31	LT3 ~ LT1	–	For the connection of capacitors that compensate for bass and treble in the tone control circuit. A high-frequency compensation capacitors must be connected between LT1 and LT2. A low-frequency compensation capacitors must be connected between LT2 and LT3.
32	L COM	–	1dB volume control common pin.
33	LVR IN	I	4dB volume control input. Must be driven at a low impedance.
34	LSELO	O	Input selector output pin.
35	AUX (L)	I	Signal input pins.
36	CD (L)		
37	TUN (L)		
38	TP (L)		
39	VDD	–	Power supply.

Pin No.	Pin Name	I/O	Description
40	TP (R)	I	Signal input pins.
41	TUN (R)		
42	CD (R)		
43	AUX (R)		
44	RSELO	O	Input selector output pin.

IC, LC75854W

Pin No.	Pin Name	I/O	Description
1	S1	O	LCD segment output.
2	S2	O	LCD segment ouptut. (Not used)
3 ~ 37	S3 ~ S37	O	LCD segment output.
38 ~ 39	S38 ~ S39	O	LCD segment output. (Not used)
40 ~ 43	COM1 ~ COM4	O	LCD common driver output.
44 ~ 45	KS1 ~ KS2	O	Key scan output. (Not used)
46 ~ 49	KS3 ~ KS6	O	Key scan output.
50 ~ 54	KI1 ~ KI5	I	Key scan input. These pins incorporate pull-down resistors.
55	TEST	–	Test pin. (Connected to GND)
56	VDD	–	Power supply.
57	VDD1	I	2/3 bias voltage is applied to the LCD drive externally. (Must be connected to VDD2 when a 1/2 bias drive scheme is used)
58	VDD2	I	1/3 bias voltage is applied to the LCD drive externally. (Must be connected to VDD1 when a 1/2 bias drive scheme is used)
59	VSS	–	GND.
60	OSC	I	Resistor and capacitor are attached externally form an oscillator circuit.
61	DO	O	Serial data interface pin; output data.
62	CE	O	Serial data interface pin; chip enable.
63	CL	O	Serial data interface pin; synchronization.
64	DI	I	Serial data interface pin; data transferred.

IC, TC94A09F-300

Pin No.	Pin Name	I/O	Description
1	S1	O	Segment signal output pins for the LCD panel. (Not used)
2	S2		
3	S3		
4	S4		
5	S5		
6	S6		
7	S7		
8	S8		
9	S9		
10	S10/ZDET	O	Segment signal output pin for the LCD panel/Outputs 1-bit DAC zero detection flag. (Not used)
11	S11/CLCK	I/O	Segment signal output pin for the LCD panel/Inputs/outputs sub code P toW data reading clock. (Not used)
12	S12/DATA	O	Segment signal output pin for the LCD panel/Outputs sub code P to W data. (Not used)
13	S13/SFSY	O	Segment signal output pin for the LCD panel/Outputs frame sync signal for playback. (Not used)
14	S14/LRCK	O	Segment signal output pin for the LCD panel/Outputs channel clock (44.1kHz). (Not used)
15	S15/BCK	O	Segment signal output pin for the LCD panel/Outputs bit clock (1,4112MHz). (Not used)
16	S16/AOUT	O	Segment signal output pin for the LCD pane/Outputs audio data. (Not used)
17	S17/MBOV	O	Segment signal output pin for the LCD panel/Outputs buffer-memory-overflow signal. (Not used)
18	S18/IPF	O	Segment signal output pin for the LCD panel/Outputs interpolation pointing flag. (Not used)
19	MVDD1	–	Power supply pin for the controller block.
20	MVSS1	–	GND pin for the controller block.
21	LMT SW	I	Internal circumference detection input.
22	SW1	I	Disc in input.
23	SW2	I	8cm detection input.
24	P1-3	I/O	4-bit CMOS I/O port. (Not used)
25	SRQ	O	S-REQ of CDS signal output.
26	LM SW	O	CD mechanism loading and CD mechanism ejection and sled change output. (Hi = loading/ejection, Low = sled)
27	P3-2/ADIN2	I	5-bit CMOS I/O port. Pins is used as built-in 6 bit 4-channel AD converter analog input pins. (Not used)
28	P3-3/ADIN3		
29	P4-0/ADIN4/BUZR	I	5-bit CMOS I/O port. Pin is used as built-in 6 bit 4-channel AD converter analog input pins and buzzer output pin. (Not used)
30	DATA-IN	I	Serial data signal input.
31	DATA-OUT	O	Serial data signal output.
32	CLOCK	I	Serial synchronization clock input.
33	EMPH	–	AGC, FE, TE amplifier gain change terminal.

Pin No.	Pin Name	I/O	Description
34	P2-1/HSO	I/O	4-bit CMOS I/O port. (Not used)
35	P2-2/LRCK		
36	P2-3/DATA		
37	BCK	–	Connected to GND.
38	TESTC	I	Input pins for controlling Test mode. When the pins are at High level, the device is in Test mode; at Low level, in normal operation. (Not used)
39	$\overline{\text{HSO}}$	O	Outputs playback speed mode. Normal speed: High, Double speed: Low. (Not used)
40	SPCK	O	Outputs clock for reading processor status signal (176.4kHz). (Not used)
41	SPDA	O	Outputs processor status signal. (Not used)
42	COFS	O	Outputs frame clock for correction (7.35kHz). (Not used)
43	DOUT	O	Digital out output pin. (Not used)
44	SBSY	O	Sub code block sync output pin. When sub code sync is detected, outputs High at the S1 position. (Not used)
45	SBOK	O	Sub code Q data CRCC result output pin. When the result is OK, outputs High. (Not used)
46	VDD1	–	Power supply pin for CD digital block.
47	VSS1	–	GND pin for CD digital block.
48	P2VREF	–	VREF pin for PLL2.
49	PDO	O	Outputs phase error signal between the EFM and PLCK signals.
50	TMAX	O	TMAX detection result output pin.
51	LPFN	I	Inverted input pin for low-pass filter amp.
52	LPFO	O	Output pin for low-pass filter-amp.
53	PVREF	–	VREF pin for PLL block.
54	VCOF	–	VCO filter pin.
55	AVSS	–	GND pin for analog block.
56	SLCO	O	DAC output data pin for generating data slice level.
57	RFI	I	RF signal input pin.
58	AVDD	–	Power supply pin for analog block.
59	RFCT	I	RFRP signal center level input pin.
60	RFZI	I	RFRP zero-cross signal input pin.
61	RFRP	I	RF ripple signal input pin.
62	FEI	I	Focus error signal input pin.
63	SBAD	I	Sub beam additional signal input pin.
64	TEI	I	Tracking error input pin.
65	TEZI	I	Tracking error/zero-cross signal input pin.
66	FOO	O	Focus equalizer output pin.
67	TRO	O	Tracking equalizer output pin.
68	VREF	–	Analog reference power supply pin.
69	RFGC	O	Control signal output pin for adjusting RF amplitude.

Pin No.	Pin Name	I/O	Description
70	TEBC	O	Tracking balance control signal output pin.
71	FMO	O	Focus equalizer output pin.
72	DMO	O	Disc equalizer output pin.
73	2VREF	–	Analog reference voltage power supply pin (2 x VREF).
74	SEL	O	APC circuit on/off signal output pin. At laser on, high impedance at UHS = High; H level output at UHS = High.
75	VDD2	–	Power supply pin for CD digital block.
76	VSS2	–	GND pin for CD digital block.
77	XVSS	–	GND pin for CD crystal oscillator.
78	XI	I	CD crystal oscillator input pins.
79	XO	O	CD crystal oscillator output pins.
80	XVDD	–	Power supply pin for CD crystal oscillator.
81	DVSR	–	R-channel DA converter block ground pin.
82	RO	O	R-channel data forward rotation output pin.
83	DVRR	–	R-channel reference voltage pin.
84	DVDD	–	DA coverter block power supply pin.
85	DVRL	–	L-channel reference voltage pin.
86	LO	O	L-channel data forward rotation output pin.
87	DVSL	–	L-channel DA converter block ground pin.
88	TESTM	I	Input pin for controlling Test mode. When the pins are at High level, the device is in Test mode; at Low level, in normal operation. (Connected to GND)
89	IN2/(VPP)	I	2-bit general-purpose input port. Pin is used as the program power supply pin. (Connected to GND)
90	$\overline{\text{RST}}$	I	Device system reset signal input pin.
91	$\overline{\text{HOLD}}$	I	Input pin used to request or release hold state.
92	CS	I	External interrupt input pin.
93	MXO	–	Crystal oscillator pins for the controller. (Not used)
94	MXI	–	Crystal oscillator pins for the controller. (Connected to GND)
95	MVSS2	–	GND pin for the controller block.
96	MVDD2	–	Power supply pin for the controller block.
97	COM1	O	Common signal output pins for LCD panel. LCD can be driven by $^1/_2$ or $^1/_3$ bias method. (Not used)
98	COM2		
99	COM3		
100	COM4		

CD TEST MODE

1. Procedure for Disassembly

1. Remove COVER TOP / COVER BOTTOM.
2. Remove the screw (indicated with an arrow mark) located on CD MECHANISM. See Fig-1.

Fig-1.

2. Servicing Position

Remove CD MECHANISM, and check the function when the unit is in a stable mode. (Refer to “Using an extension jig”.)
See Fig-2.

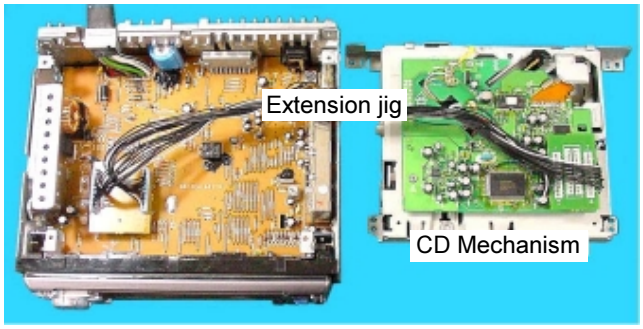


Fig-2.

3. TEST MODE

1. Starting CD test mode
   1) Provide a wire between pin45 and GND of the main circuit board IC901, and apply soldering. See Fig-3.

   2) Connect the ACC (red) / BACK UP (yellow) wire of the connector Assy to the positive terminal of the power supply device and the Ground (black) wire to the negative terminal.

   3) Adjust the voltage applied to the power supply device to 14.5V, and then turn on the power. Test mode begins, and all LCD are lit. See Fig-4.

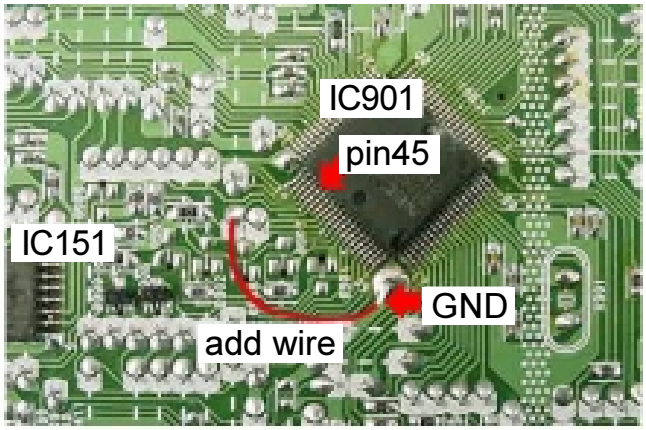


Fig-3.

2. Exiting CD test mode
   1) Turn off the power of the power supply device.
   2) Remove all the wires of the connector Assy.
   3) Remove the wire on the main circuit board.

Fig-4.

3. CD Test Mode Functions

MODE	Buttons	Display	Function	Details
Start Mode		All lit		Test mode starts
Load / Unload	▲ EJECT	All lit	CHECKING	ALL SERVO OFF LASER ON VCC ON
Search Mode	6 RNDM	All lit	Continuous focus search Repetitive full-swing of PU lens (Note 1)	APC circuit check Laser current electricity measurement Focus error waveform
Play Mode	5 REP1	TOC READING Track No. Play time display Level display	Normal playback When TOC READ is unavailable, the same function as search mode is applied	Focus servo Tracking servo CLV servo Sled servo
Traverse Mode	INT 3	Track No. and play time display	Playback pause mode	Tracking servo OFF
STOP	REP 4	All lit	Standby mode	ALL SERVO OFF LASER ON / OFF
Sled Mode	+ TUNE -	All lit	Pickup moves to the outer track Pickup moves to the inner track (Note 2)	Sled servo Mechanism function check

• To exit from mode, press the number "**4**" button.

Note 1: When the focus search mode is repeated more than 10 minutes, the driver IC may generate heat, activating the protection circuit to stop CD function.
In this case, turn off the power, wait for 10 minutes to release the heat before restarting.

Note 2: Be sure to insert CD software before checking the Play Mode / Sled Mode function.

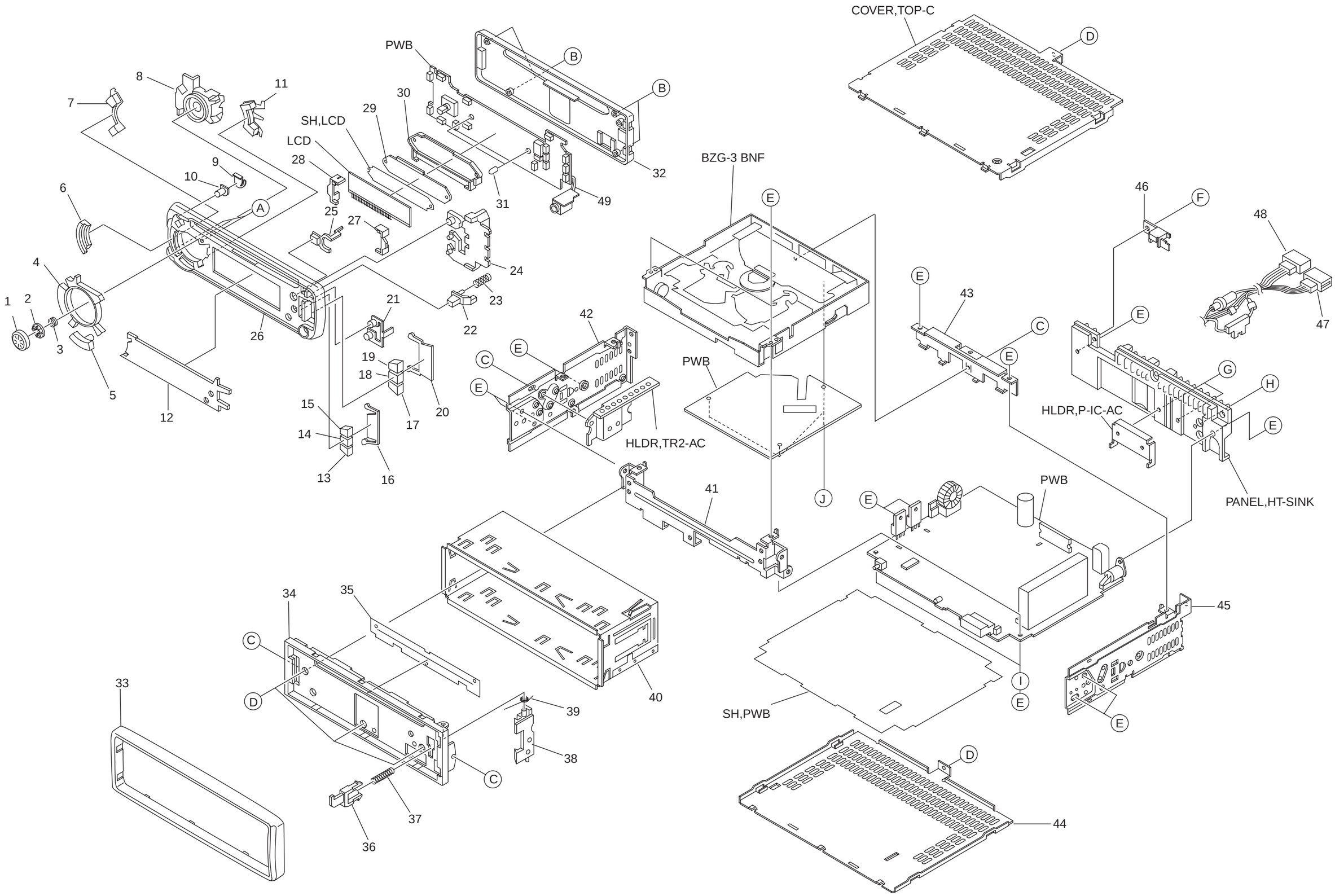
ADJUSTMENT

1. RDS Adjustment

   Settings : • Test point : IC901 pin 1
   • Adjustment location : SFR101
   • Input : 98MHz
   31dBμV (EMF)
   1kHz (Modulation Frequency)
   45kHz DEV

   Method : Set to FM 98.0MHz and adjust SFR101 so that the test point is 2.0V ± 0.1 V.

MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL PARTS LIST 1 / 1

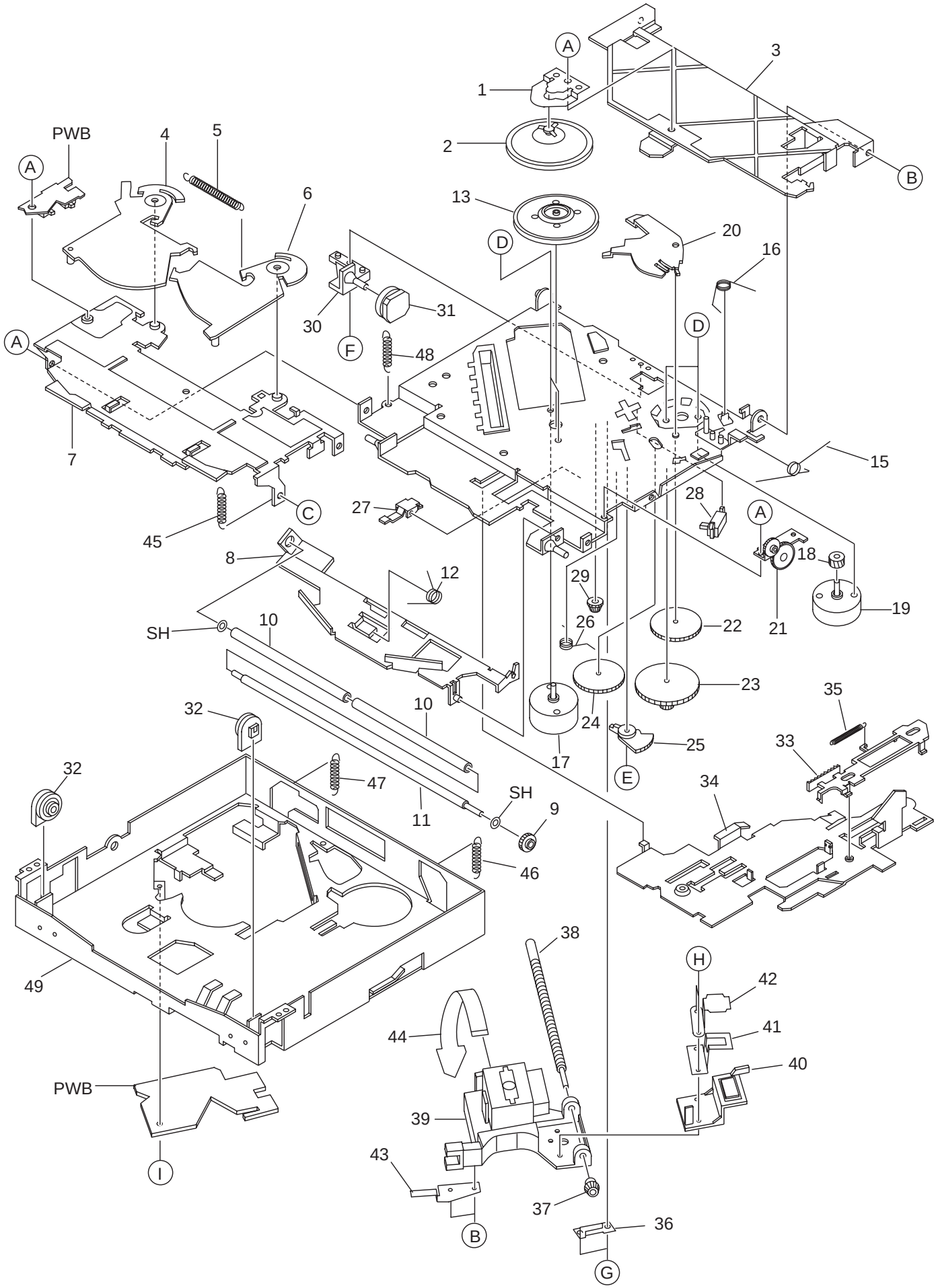
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-KCG-013-010		KNOB,RTRY -BC
2	8B-KCG-028-010		RING,ROTARY -BC
3	8B-KCG-253-010		SPR-C,ROTARY -BC2
4	8B-KCG-011-110		CABI,CONT.BASE -BC
5	8B-KC3-003-110		BTN,DISP/TA -BC3
6	8B-KCG-012-010		WINDOW,CONT.BASE -BC
7	8B-KCG-017-210		BTN,DELTA -BC
8	8B-KCG-208-010		LENS,ENCO. -BC
9	8B-KCG-205-010		HLDR,BTN S -BC
10	8B-KCG-027-010		BTN,CLEAR S -BC
11	8B-KCG-014-010		BTN,SEESAW R -BC16
12	8B-KCA-001-010		WINDOW,PANEL R217
13	8B-KCG-025-010		BTN,P.SET 5 -BC
14	8B-KCG-023-010		BTN,P.SET 3 -BC
15	8B-KCG-021-010		BTN,P.SET 1 -BC
16	8B-KCG-207-010		HLDR,P.BTN L -BC
17	8B-KCG-026-010		BTN,P.SET 6 -BC
18	8B-KCG-024-010		BTN,P.SET 4 -BC
19	8B-KCG-022-010		BTN,P.SET 2 -BC
20	8B-KCG-210-010		HLDR,P.BTN R2 -BC
21	8B-KC3-002-110		BTN,PS/AF -BC3
22	8B-KCG-020-010		BTN,DETACH -BC
23	8Z-KC2-223-010		SPR-C,DETACH -C2
24	8B-KCG-209-010		LENS,R -BC
25	8B-KCG-018-010		BTN,EJECT -BC16
26	8B-KCG-001-010		CABI,FRONT -BC16
27	8B-KCG-203-010		COVER, LCD LENS R -BC16
28	8B-KCG-204-010		COVER, LCD LENS L -BC16
29	8B-KCG-201-010		LENS,LCD -BC16
30	8B-KCG-202-110		CASE,LCD LENS -BC16

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
31	8B-KCG-239-010		CAP,LAMP PALE BLUE
32	8B-KCG-002-110		CABI,REAR -BC16
33	8A-KCF-020-110		CABI,TRIM -AC15
34	8Z-KC2-011-510		CABI,BASE -C2
35	8A-KCF-230-010		COVER, DUST DFP LOWRAL
36	8Z-KC2-203-210		LEVER,DFP HOOK -C2
37	8Z-KC2-221-110		SPR-C,DETACH HOOK-C2
38	8Z-KC2-204-210		LEVER,DFP LOCK -C2
39	8Z-KC2-222-010		SPR-T,DETACH LOCK-C2
40	8Z-KC1-231-110		HLDR,HALF -C
41	8Z-KCG-201-210		CHAS,FRONT -C16
42	8B-KC1-213-110		CHAS,SIDE L-BC
43	8B-KCG-247-010		HLDR,MECHA AS-BC
44	8Z-KC1-256-010		COVER, BOTTOM RDS
45	8B-KC1-214-110		CHAS,SIDE R-BC
46	8B-KC7-246-010		HLDR,ISO WIRE B
47	8A-KT1-645-010		CONN ASSY,8P ISO-BLACK-B
48	8A-KT1-646-010		CONN ASSY,8P ISO-WHITE-B
49	8A-KC7-611-010		F-CABLE,3P (AUX)
A	87-B10-334-010		VTT+1.7-5 W/O
B	8Z-KC1-253-010		S-SCREW,PT 2*8 BH+ BLK
C	8Z-KC1-251-010		S-SCREW,TH2.6-4.0-0.8
D	87-B10-216-010		U+2.6-4.0 ZINC BLK (BH M2.6)
E	87-251-073-410		SCREW,U+2.6-6
F	87-B10-336-010		VTT+2.6-6 W/O
G	87-251-096-410		U+3-10
H	87-B10-259-010		UT2+3.0-10.0 W/O SLOT (BH TAP)
I	87-432-903-010		WASHER,WTE 2.6
J	8B-KCA-261-010		S-SCREW,TH1.7-4 -0.5

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

CD MECHANISM EXPLODED VIEW 1 / 1



CD MECHANISM PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-ZG3-261-110		SPR-P,CD HOLDER SUPORT
2	8B-ZG3-232-210		CLAMP,BZG-3
3	8B-ZG3-213-010		LEVER,CD HOLDER
4	8B-ZG3-215-110		LEVER,CD L
5	8B-ZG3-256-110		SPR-E,CD LEVER
6	8B-ZG3-214-010		LEVER,CD R
7	8B-ZG3-211-010		LEVER,CD UP HOLDER
8	8B-ZG3-212-010		LEVER,CD ROLLER
9	8B-ZG3-225-010		GEAR,ROLLER
10	8A-ZGA-261-010		ROLLER,RUBBER
11	8B-ZG3-241-010		SHAFT,ROLLER
12	8B-ZG3-252-010		SPR-T,ROLLER
13	8B-ZG3-231-010		TURN TABLE,BZG-3
14	8B-ZG3-201-110		CHAS ASSY,BZG-3
15	8B-ZG3-250-010		SPR-T,CLAMP
16	8B-ZG3-253-010		SPR-T,CD SENSOR
17	87-A92-091-010		MOT,M25E-4
18	8B-ZG3-220-010		GEAR,MOT
19	87-A92-092-010		MOT,M25E-10
20	8B-ZG3-209-110		LEVER ASSY,MODE CH
21	8B-ZG3-216-010		LEVER ASSY,GEAR HOLDER
22	8B-ZG3-221-010		GEAR,CONNECT
23	8B-ZG3-223-010		GEAR,IDL DIR
24	8B-ZG3-222-010		GEAR,3 DIR
25	8B-ZG3-230-010		GEAR,CAM
26	8B-ZG3-251-110		SPR-T,CAM
27	8B-ZG3-207-010		LEVER,DIR DOWN
28	87-A92-094-010		SW,PUSH 2-1 ESE11SF1XQ
29	8B-ZG3-229-010		GEAR,WHL SLD
30	8B-ZG3-218-010		HLDR,FLOAT REAR
31	8B-ZG3-246-010		OIL-DMPR,BZG-3 R
32	8B-ZG3-243-010		OIL-DMPR,BZG-3
33	8B-ZG3-206-110		LEVER,DIR UP
34	8B-ZG3-205-010		LEVER,DIR
35	8B-ZG3-255-010		SPR-E,DIR
36	8B-ZG3-260-010		SPR-P,LEAD STOP
37	8B-ZG3-228-010		GEAR,SLD
38	8B-ZG3-240-010		SHAFT,LEAD JVC
39	87-A92-093-010		PICKUP,OPTIMA720 JVC
40	8B-ZG3-242-210		HLDR,LEAD
41	8B-ZG3-263-010		SPR-P,LEAD
42	8B-ZG3-247-110		LEVER,LEAD
43	8B-ZG3-262-010		SPR-P,PIC UP
44	8B-ZG3-603-010		PWB,FLEX PIC
45	8B-ZG3-258-010		SPR-E,FLOAT FL
46	8B-ZG3-266-010		SPR-E,FLOAT RR
47	8B-ZG3-267-010		SPR-E,FLOAT RL
48	8B-ZG3-257-010		SPR-E,FLOAT FR
49	8B-ZG3-290-110		CHAS ASSY,HLDR BNF
A	87-357-503-310		VT2+1.4-2
B	8B-ZG3-245-010		S-SCREW,CD HLDR
C	87-067-393-010		SCREW +1.4-1.4
D	87-267-523-310		V+1.7-2
E	87-B10-361-010		W-P,1.43-3-0.25 SLIT
F	87-571-032-410		VIT+2-3
G	87-067-430-010		VT1.4-5 BLK
H	87-351-527-310		VT2+1.7-3
I	88-ZG8-435-010		S-SCREW,VIT+2-4 PREC

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-KCA-901-010		IB,YZ(9L)R217
2	8B-KCF-906-110		IB,INST,YZ,YV(9L,R)-I
3	87-B10-216-010		U+2.6-4.0 ZINC BLK (BH M2.6)
4	87-B10-141-010		NUT,5 TYPE-2
5	87-B10-143-010		UT1+5-15 W/O SLOT
6	87-B10-144-010		W,5.2-10-0.5
7	87-B10-145-010		W-SPR,5.3-8.5-1.5
8	8Z-KC1-030-010		CASE,DFP-C
9	8Z-KC1-231-110		HLDR,HALF-C
10	8Z-KC1-232-010		KEY,REMOVE-C
11	8Z-KC1-235-010		HLDR,REAR MTG
12	8Z-KC1-244-010		S-SCREW,5*6 TH+ TAPPING SET
13	8Z-KC1-250-010		S-SCREW,HEXAGON

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